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ARBORETUM ET FRUTICETUM BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,
Native and Foreign, Hardy and Half-Hardy,
PICTORIALLY AND BOTANICALLY DELINEATED,
AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,
AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN
LANDSCAPE-GARDENING;

PRECEDED BY A HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

BY J. C. LOUDON, F.L. & H.S. &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE.

IN EIGHT VOLUMES:

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

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VOL. VII.

THE PLATES FROM BIGNONIA`CÆE TO CORYLA`CÆE.

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SECOND EDITION.

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BRITANNICUM:

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| 226. | <i>M. a.</i> , full-grown tree, 4to.                                                                                                                                                                                                                                                                                                                              |           |  | 257. | <i>Pterocarya caucásica</i> - -                                                                                                                                | III. 1451 |
| 223. | <i>M. nigra</i> (the Mulberry) -                                                                                                                                                                                                                                                                                                                                  | III. 1343 |  | 309. | <i>Quercus álba</i> - - -                                                                                                                                      | III. 1864 |
| 224. | <i>M. n.</i> , full-grown tree.                                                                                                                                                                                                                                                                                                                                   |           |  | 307. | <i>Q. Ægilops</i> - - -                                                                                                                                        | III. 1861 |
| 227. | <i>M. (pennsylvánica) rubra</i><br>Mulberry. See <i>Morus</i> .<br>Nettle Tree. See <i>Céltis</i> .                                                                                                                                                                                                                                                               | III. 1359 |  | 308. | <i>Q. Æ.</i> , full-grown tree.                                                                                                                                |           |
| 220. | <i>Nýssa biflora</i> (the Tu-<br>pelo Tree), full-grown<br>tree - - - }                                                                                                                                                                                                                                                                                           | III. 1317 |  | 298. | <i>Q. Cérris</i> - - -                                                                                                                                         | III. 1846 |
|      | Oak. See <i>Quercus</i> .                                                                                                                                                                                                                                                                                                                                         |           |  | 299. | <i>Q. C.</i> , full-grown tree, 4to.                                                                                                                           |           |
|      | Oak, American White.<br>See <i>Q. álba</i> .                                                                                                                                                                                                                                                                                                                      |           |  | 300. | <i>Q. C.</i> , winter tree, 4to.                                                                                                                               |           |
|      | Bitter. See <i>Q. Cérris</i> .                                                                                                                                                                                                                                                                                                                                    |           |  | 301. | <i>Q. C. austriaca</i> - - -                                                                                                                                   | III. 1848 |
|      | British, or common.<br>See <i>Q. pedunculata</i> ,<br>and <i>Q. sessiliflora</i> .                                                                                                                                                                                                                                                                                |           |  | 302. | <i>Q. C. fulhaménsis</i> (den-<br>tata) - - - }                                                                                                                | III. 1850 |
|      | Fulham. See <i>Q. C.</i><br>fulhaménsis.                                                                                                                                                                                                                                                                                                                          |           |  | 303. | <i>Q. C. f.</i> , full-grown tree, 4to.                                                                                                                        |           |
|      | Italian. See <i>Q. E'sculus</i> .                                                                                                                                                                                                                                                                                                                                 |           |  | 304. | <i>Q. C. f.</i> , winter tree, 4to.                                                                                                                            |           |
|      | Lucombe. See <i>Q. C.</i><br><i>Lucombeana</i> .                                                                                                                                                                                                                                                                                                                  |           |  | 305. | <i>Q. C. Lucombeana</i> - -                                                                                                                                    | III. 1857 |
|      | Mossy-cupped. See<br><i>Q. Cérris</i> .                                                                                                                                                                                                                                                                                                                           |           |  | 306. | <i>Q. C. L.</i> , winter tree.                                                                                                                                 |           |
|      | Turkey. See <i>Q. Cérris</i> .                                                                                                                                                                                                                                                                                                                                    |           |  | 297. | <i>Q. E'sculus</i> - - -                                                                                                                                       | III. 1844 |
|      | Oleaster. See <i>Elæagnus</i> .                                                                                                                                                                                                                                                                                                                                   |           |  | 290. | <i>Q. pedunculata</i> - -                                                                                                                                      | III. 1731 |
|      | Paper Mulberry. See<br><i>Broussonètia</i> .                                                                                                                                                                                                                                                                                                                      |           |  | 291. | <i>Q. p.</i> , full-grown tree.                                                                                                                                |           |
| 245. | <i>Plánera Richárdi</i> - - -                                                                                                                                                                                                                                                                                                                                     | III. 1409 |  | 292. | <i>Q. p.</i> , winter tree.                                                                                                                                    |           |
| 246. | <i>P. R.</i> , full-grown tree.<br>Poplar. See <i>Pópulus</i> .<br>Poplar, Aspen. See <i>P.</i><br><i>trémula</i> .<br>Balsam. See <i>P. bal-</i><br><i>samífera</i> .<br>Black. See <i>P. nigra</i> .<br>Black Italian. See <i>P.</i><br><i>monilífera</i> .<br>Lombardy. See <i>P.</i><br><i>fastigiata</i> .<br>Ontario. See <i>P. cán-</i><br><i>dicans</i> . |           |  | 293. | <i>Q. fastigiata</i> - - -                                                                                                                                     | III. 1731 |
| 264. | <i>Pópulus álba</i> (the Abele<br>Tree) - - - }                                                                                                                                                                                                                                                                                                                   | III. 1638 |  | 294. | <i>Q. sessiliflora</i> - - -                                                                                                                                   | III. 1736 |
| 276. | <i>P. angulata</i> - - -                                                                                                                                                                                                                                                                                                                                          | III. 1670 |  | 295. | <i>Q. s.</i> , full-grown tree, 4to.                                                                                                                           |           |
| 277. | <i>P. a.</i> , full-grown tree.                                                                                                                                                                                                                                                                                                                                   |           |  | 296. | <i>Q. s.</i> , winter tree.                                                                                                                                    |           |
| 278. | <i>P. balsamífera</i> - - -                                                                                                                                                                                                                                                                                                                                       | III. 1673 |  | 261. | <i>Salix álba</i> - - -                                                                                                                                        | III. 1522 |
| 279. | <i>P. b.</i> , full-grown tree.                                                                                                                                                                                                                                                                                                                                   |           |  | 262. | <i>S. a.</i> , full-grown tree.                                                                                                                                |           |
| 280. | <i>P. cándicans</i> - - -                                                                                                                                                                                                                                                                                                                                         | III. 1676 |  | 258. | <i>S. babylónica</i> (the<br>Weeping Willow) }                                                                                                                 | III. 1507 |
| 265. | <i>P. canescens</i> - - -                                                                                                                                                                                                                                                                                                                                         | III. 1639 |  | 259. | <i>S. b.</i> , crispa - - -                                                                                                                                    | III. 1514 |
| 275. | <i>P. (dilatata) fastigiata</i> -                                                                                                                                                                                                                                                                                                                                 | III. 1660 |  | 260. | <i>S. fragilis</i> - - -                                                                                                                                       | III. 1516 |
| 268. | <i>P. græca</i> - - -                                                                                                                                                                                                                                                                                                                                             | III. 1651 |  | 263. | <i>S. vitellina</i> - - -                                                                                                                                      | III. 1528 |
| 272. | <i>P. monilífera</i> - - -                                                                                                                                                                                                                                                                                                                                        | III. 1657 |  |      | <i>Sassafras</i> . See <i>Laúrus</i><br><i>Sássafras</i> .                                                                                                     |           |
| 273. | <i>P. m.</i> , winter tree.                                                                                                                                                                                                                                                                                                                                       |           |  |      | Sea Buckthorn. See <i>Hip-</i><br><i>póphæ</i> .                                                                                                               |           |
| 274. | <i>P. m.</i> , full-grown tree, 4to.                                                                                                                                                                                                                                                                                                                              |           |  |      | Sweet Bay. See <i>Laúrus</i><br><i>nóbilis</i> .<br>Tupelo. See <i>Nýssa</i> .                                                                                 |           |
| 269. | <i>P. nigra</i> - - -                                                                                                                                                                                                                                                                                                                                             | III. 1652 |  | 243. | <i>Ulmus americana</i> - -                                                                                                                                     | III. 1406 |
| 270. | <i>P. n.</i> winter tree.                                                                                                                                                                                                                                                                                                                                         |           |  | 244. | <i>U. a. incisa</i> - - -                                                                                                                                      | III. 1406 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 230. | <i>U. campéstris</i> (the com-<br>mon Elm) - - - }                                                                                                             | III. 1374 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 231. | <i>U. c.</i> , full-grown tree.                                                                                                                                |           |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 232. | <i>U. c. stricta</i> , full-grown<br>tree, 4to - - - }                                                                                                         | III. 1375 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 233. | <i>U. c. viminális</i> - - -                                                                                                                                   | III. 1376 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 238. | <i>U. effusa</i> - - -                                                                                                                                         | III. 1397 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 239. | <i>U. e.</i> , winter tree.                                                                                                                                    |           |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 236. | <i>U. mājor</i> - - -                                                                                                                                          | III. 1396 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 237. | <i>U. m.</i> , full-grown tree.                                                                                                                                |           |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 240. | <i>U. montana mājor</i> - -                                                                                                                                    | III. 1398 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 241. | <i>U. m. péndula (rubra)</i> -                                                                                                                                 | III. 1398 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 242. | <i>U. m. fastigiata</i> - - -                                                                                                                                  | III. 1399 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 234. | <i>U. planifolia</i> - - -                                                                                                                                     | III. 1377 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  | 235. | <i>U. (c.) suberosa</i> - - -                                                                                                                                  | III. 1395 |
|      |                                                                                                                                                                                                                                                                                                                                                                   |           |  |      | Walnut. See <i>Juglans</i> .<br>Willow. See <i>Salix</i> .<br>Weeping. See <i>S. ba-</i><br><i>bylónica</i> .<br>Huntingdon, or white.<br>See <i>S. álba</i> . |           |

*Catálpa syringæfolia.*  
The Syringa-leaved Catalpa.



14 ft. high, 2½ in. diam.





*Catálpa syringæfolia.*  
The Syringa-leaved Catalpa.

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Full-grown tree at Syon, 54 ft. high ; diam. of the trunk 2 ft., and of the head 48 ft.  
[Scale 1 in. to 12 ft.]



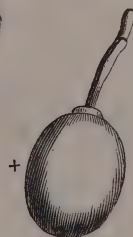


*Laurus nobilis.*

The noble Laurel, or the Sweet Bay tree.



12 ft. high, 3 in. diam.



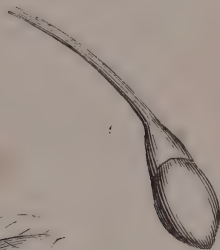
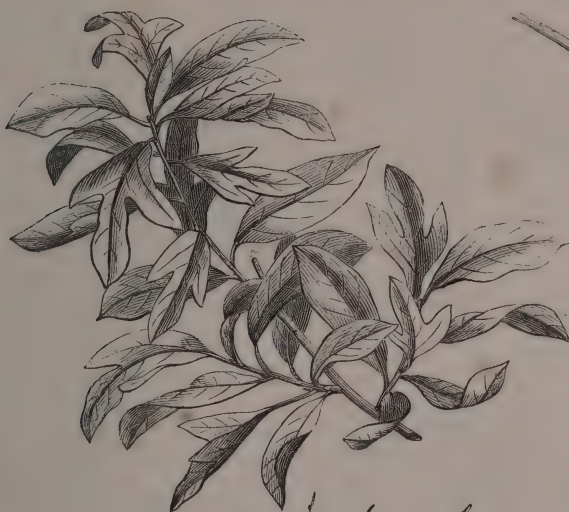


*Laurus Sassafras.*

The Sassafras tree.



10 ft. high, 1½ in. diam.





*Laurus Sássafras.*  
The Sassafras tree.



Full-grown tree at Syon, 46 ft. high ; diam. of the trunk 3 ft., and of the head 34 ft.  
[Scale 1 in. to 12 ft.]





*Nýssa biflōra.*

The two-flowered Nyssa, or *Tupelo tree*.



Full-grown tree at Thomson's Villa, Richmond, 34 ft. high.  
[Scale 1 in. to 12 ft.]





*Elæagnus orientalis.*  
The Eastern Oleaster.

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18 ft. high, 8 in. diam.





*Hippóphae rhamnöides angustifolia.*

The narrow-leaved Rhamnus-like Sea Buckthorn.



14 ft. high, 5 in. diam.





*Morus nigra.*

The black-fruited, or common, Mulberry tree.



11 ft. high, 3 in. diam.







Remarkable tree at Battersea, upwards of 300 years old, 26 ft. high; with above 15 stems, and covering a space 74 ft. by 60 ft.  
[Scale 1 in. to 12 ft.]



*Morus nigra.*

The black, or common, Mulberry.

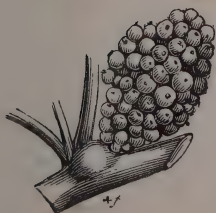


*Morus álba.*

The white-fruited Mulberry.



15 ft. high, 5½ in. diam.





*Morus álba.*  
The white Mulberry.



Full-grown tree at Syon, 48 ft. high; diam. of the head 72 ft.  
[Scale 1 in. to 12 ft.]



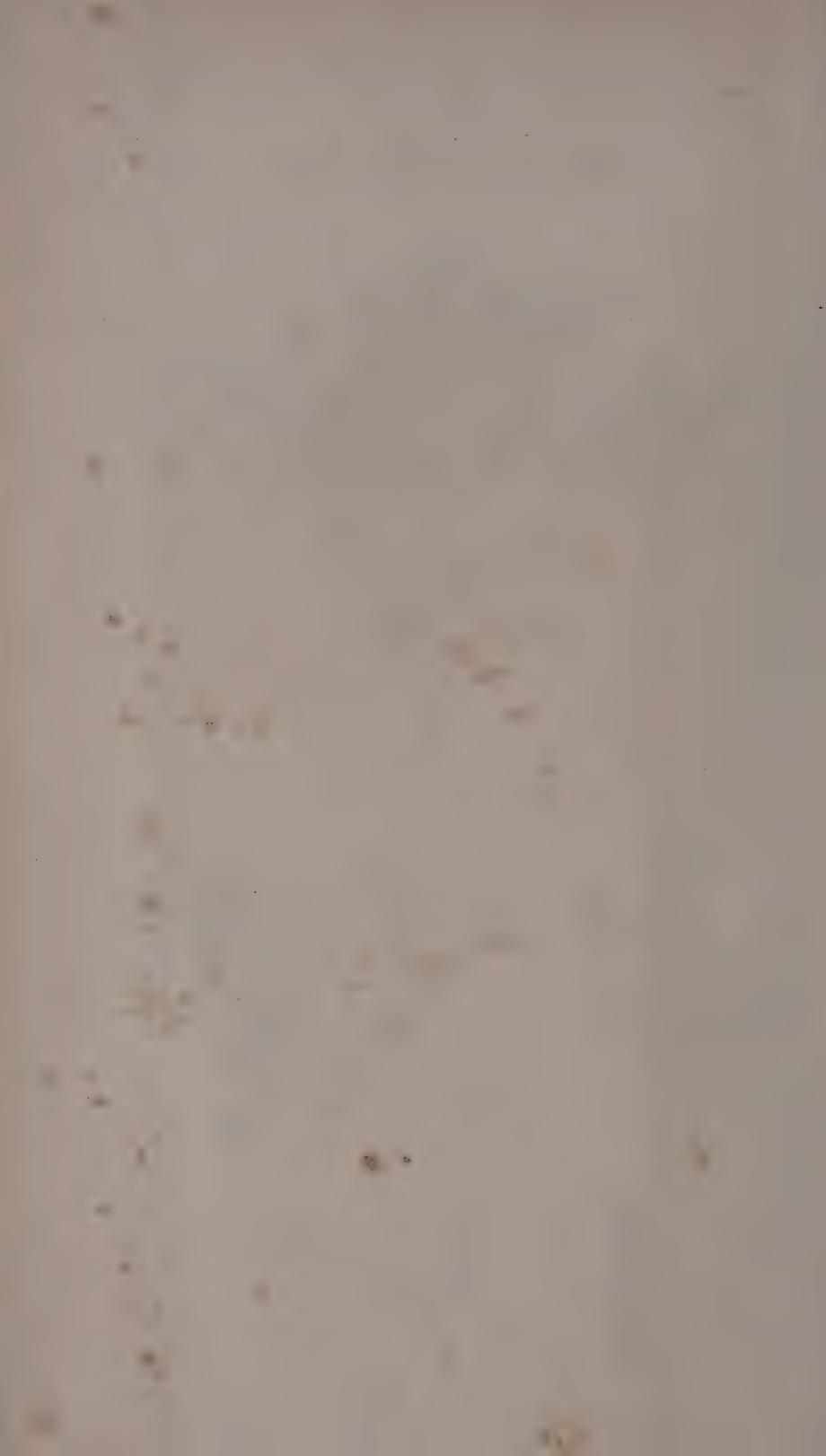


*Morus pennsylvanica.*  
The Pennsylvanian Mulberry tree.



13 ft. high, 3 in. diam.







21 ft. high, 6 in. diam.





*Ficus Cárica.*  
The common Fig tree.



10 ft. high,  $2\frac{1}{2}$  in. diam.



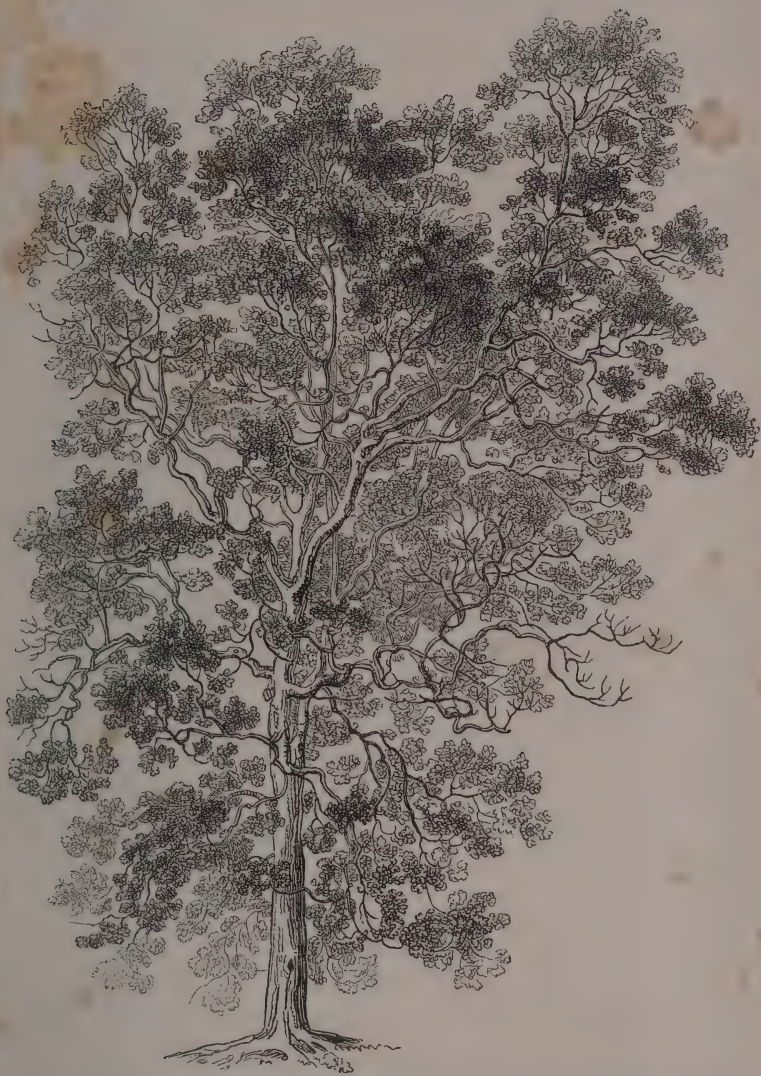






*Ulmus campestris.*

The field, or common *English*, Elm.



Full-grown tree in Kensington Gardens, 65 ft. high; diam. of the trunk 3 ft., and of the head 48 ft.  
[Scale 1 in. to 12 ft.]







Full-grown tree at Muswell Hill, 100 ft. high ;  
diam. of the trunk 5 ft., and of the head 75 ft.  
[Scale 1 in. to 12 ft.]





25 ft. high, 5 in. diam.

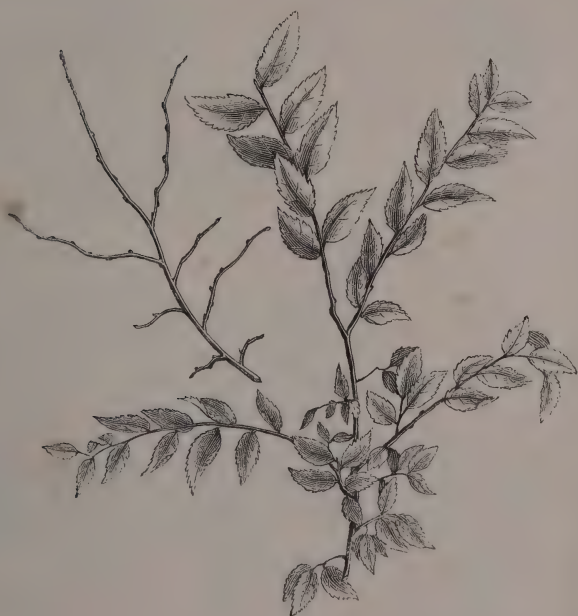




*Ulmus planifolia.*  
The flat-leaved Elm.



12 ft. high, 2½ in. diam.





The cork-barked field Elm.



18 ft. high, 5 in. diam.



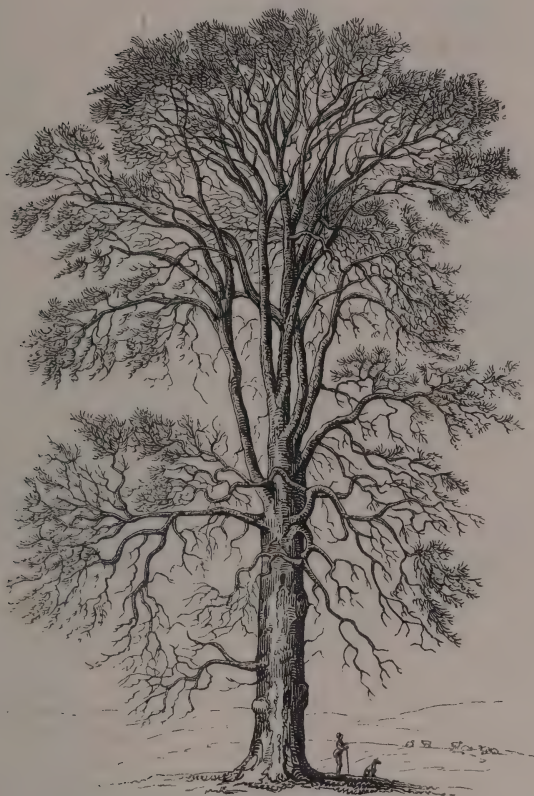






*Ulmus mājor.*

The greater, or *Dutch cork-barked*, Elm.



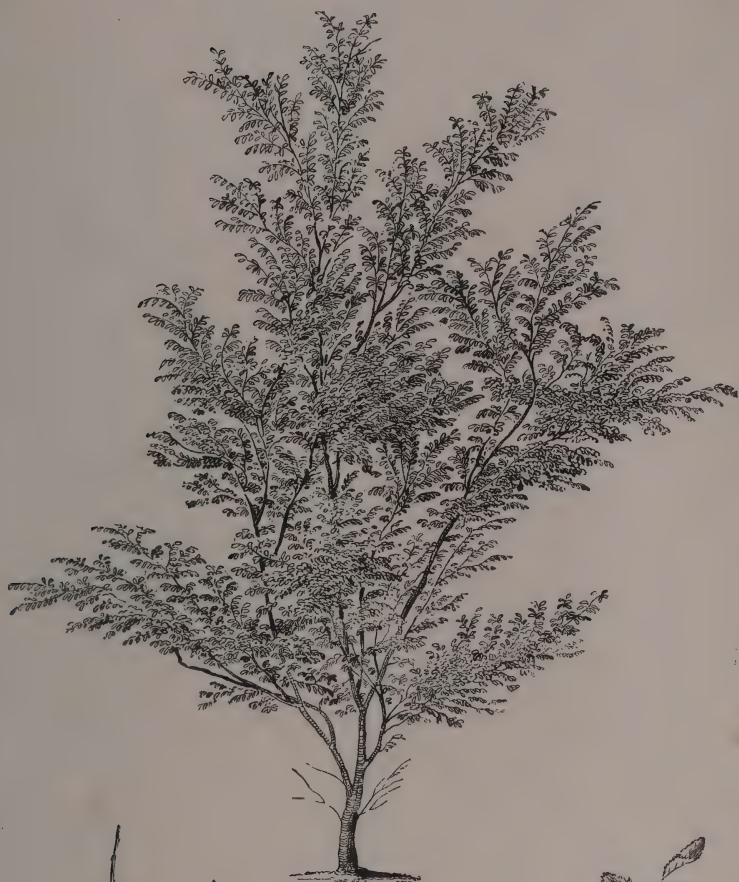
Full-grown tree at Studley, 94 ft. 10 in. high ; diam. of the trunk 5 ft. 6 in.  
[Scale 1 in. to 24 ft.]





*Ulmus effusa.*

The spreading-flowered Elm.



18 ft. high, 3 in. diam.





The spreading-*branched* Elm.

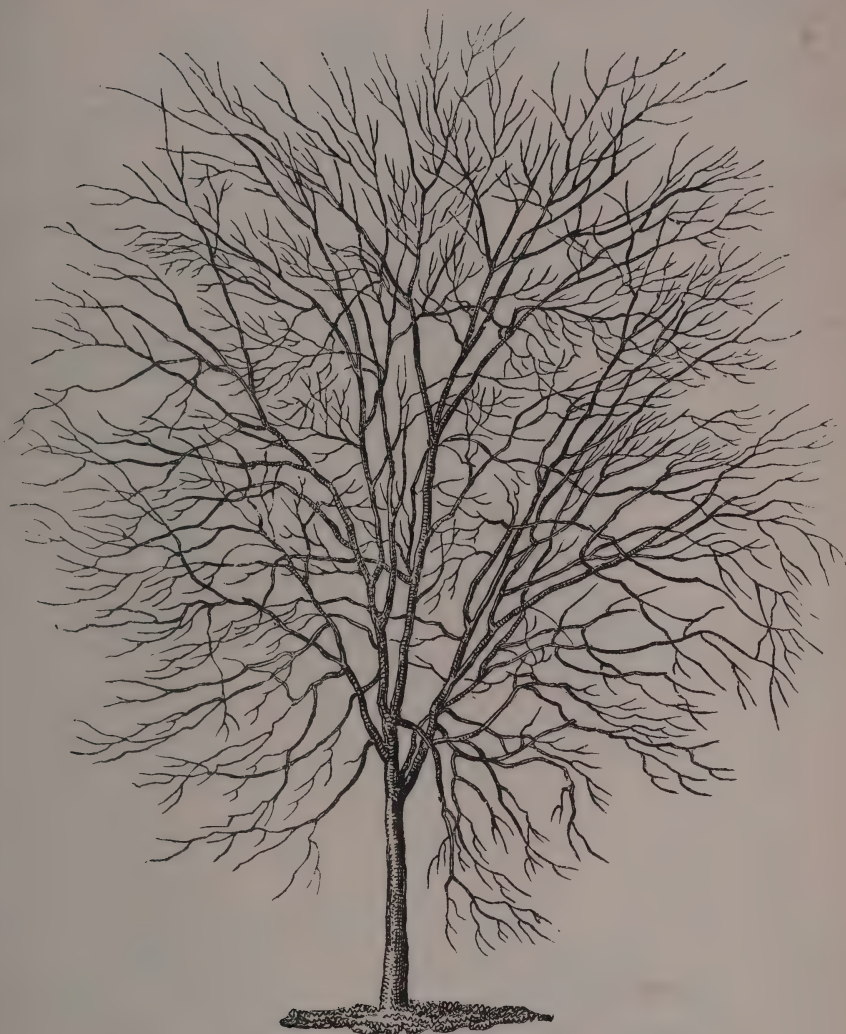


22 ft. high, 4 in. diam.





The larger mountain, *Scotch*, or *Wych*, Elm.



20 ft. high,  $2\frac{1}{4}$  in. diam.





The pendulous, or weeping, mountain Elm.



16 ft. high, 4 in. diam.





The fastigate mountain, or Scotch, Elm.



18 ft. high, 5 in. diam.







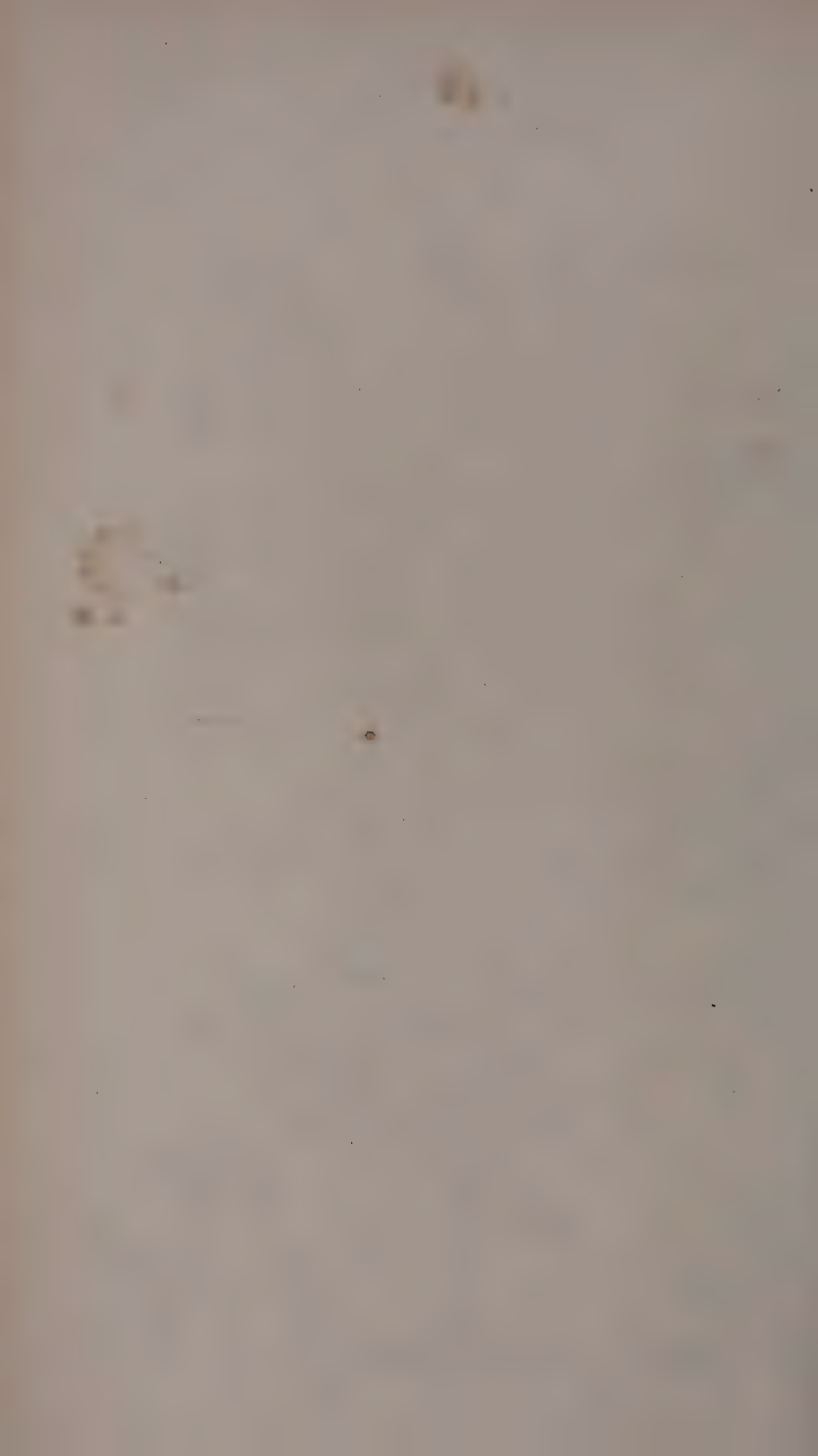
20 ft. high, 5 in. diam.





The cut-leaved American Elm.



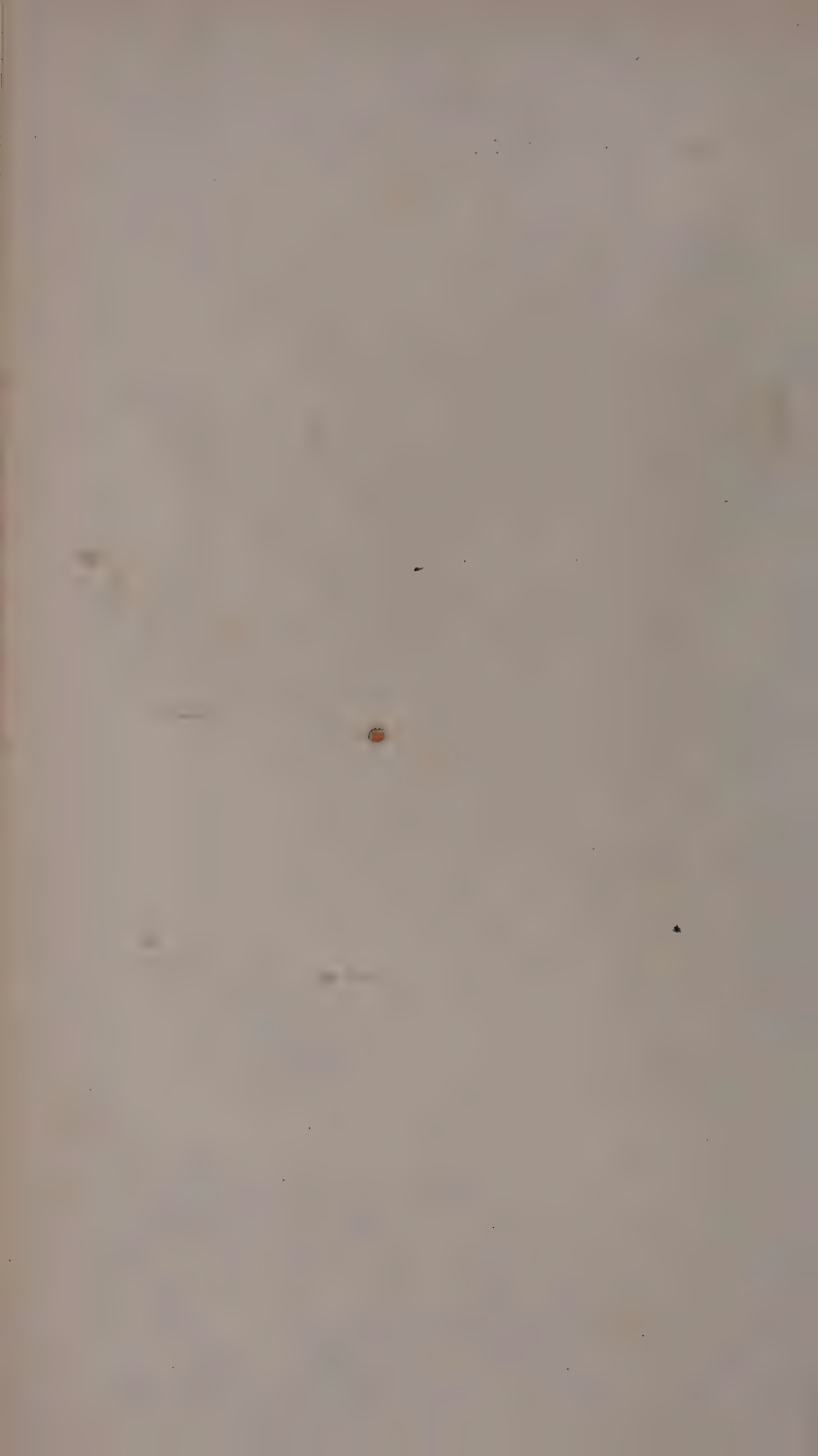


Richard's Planera, or the Zelkoua tree.



21 ft. high, 6 in. diam.

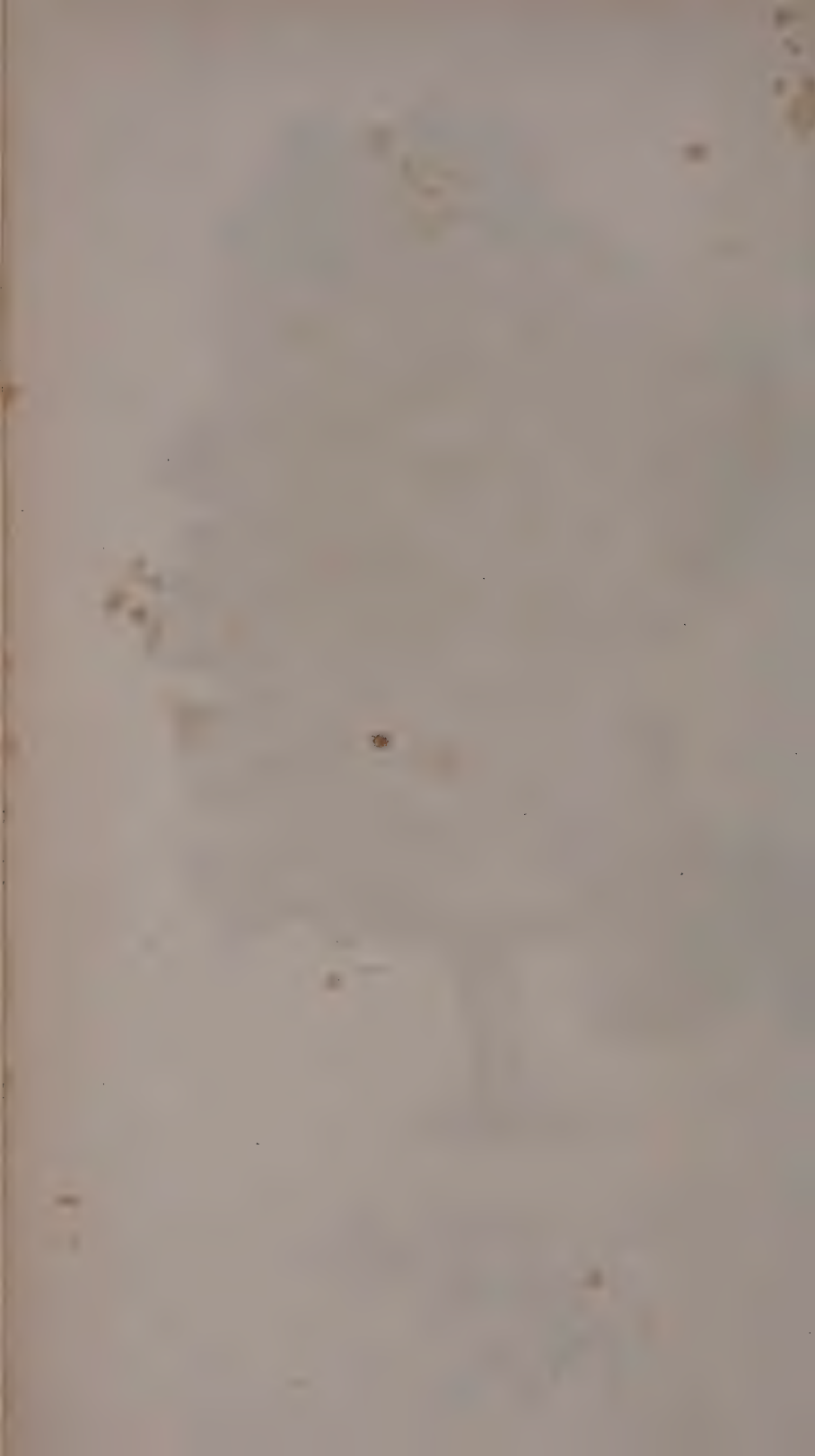






Full-grown tree at Syon, 54 ft. high.





*Celtis Tournefortii.*

Tournefort's Celtis, or Nettle tree.



10 ft. high, 2 in. diam.



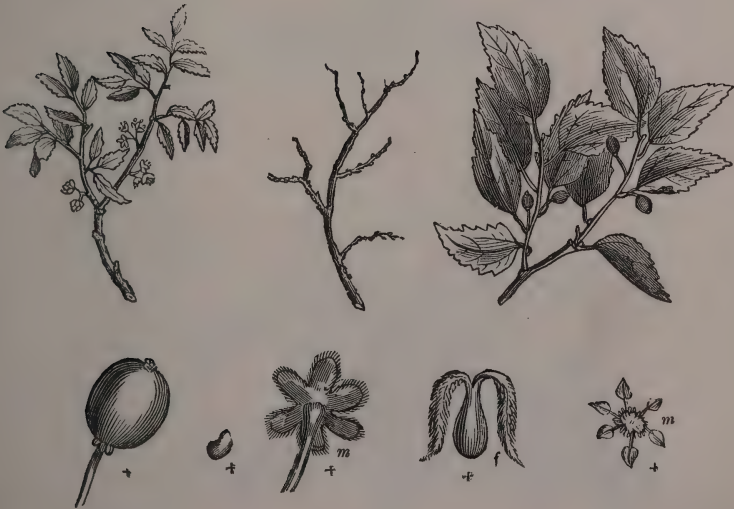


*Celtis occidentalis.*

The Western, or American, Nettle tree.



15 ft. high, 2½ in. diam.





The Western, or American, Nettle tree.



Full-grown tree at Syon, 58 ft. high ; diam. of the trunk 3 ft., and of the head 40 ft.  
[Scale 1 in. to 12 ft.]





The royal, or common, Walnut tree.



19 ft. high,  $7\frac{1}{2}$  in. diam.





*Juglans regia.*

The royal, or common, Walnut tree.



Full-grown tree at Chiswick, 54 ft. high; diam. of the trunk  $4\frac{1}{2}$  ft., and of the head 50 ft.  
[Scale 1 in. to 12 ft.]





*Juglans regia.*

The *common, or royal, Walnut.*



Full-grown winter tree at Studley, 82 ft. high ; diam. of the head 96 ft.  
[Scale 1 in. to 24 ft.]





*Juglans nigra.*

The black Walnut tree.



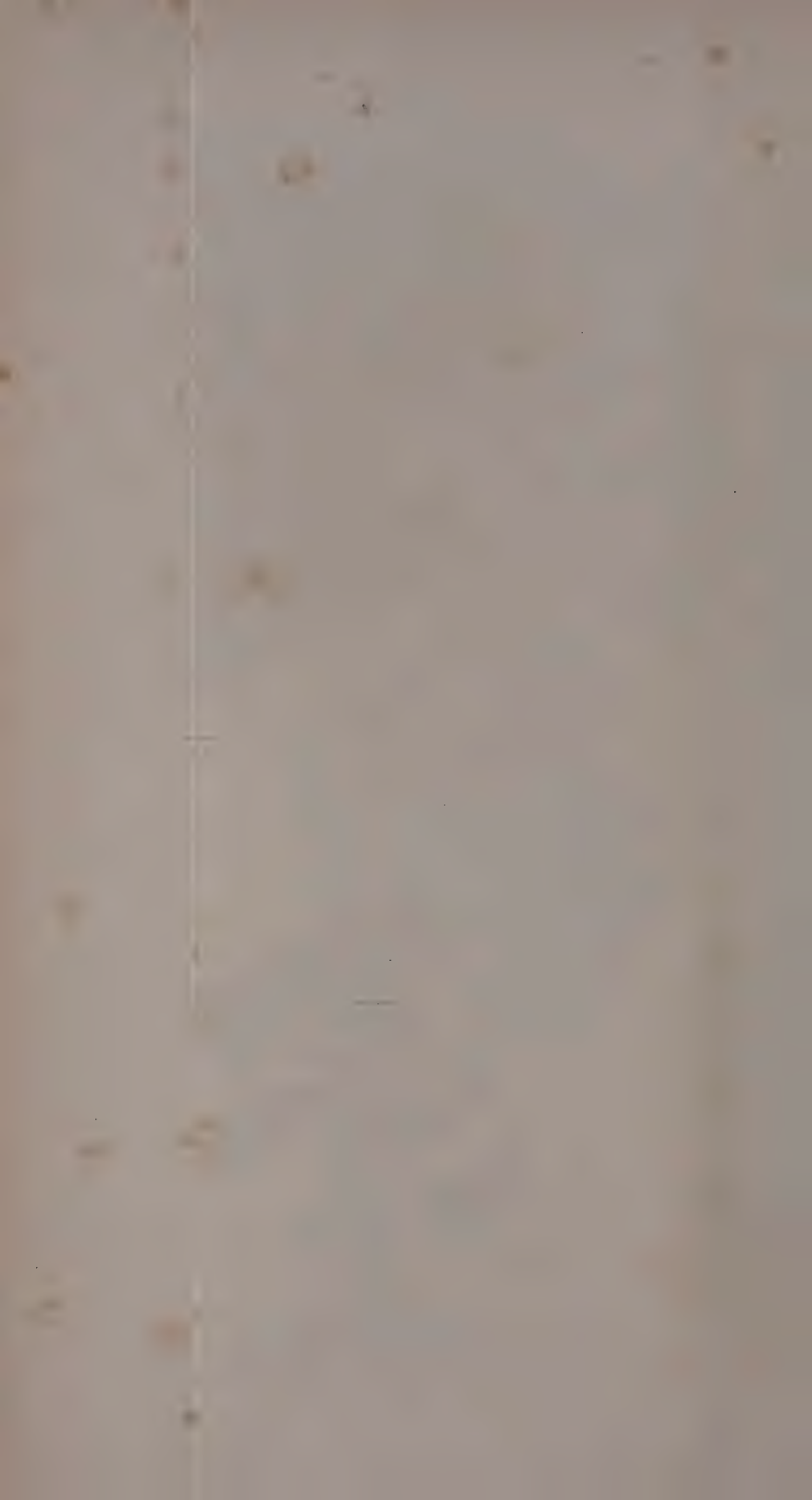
15 ft. high, 6 in. diam.







Full-grown tree at Syon, 79 ft. high ; diam. of the head 59 ft.  
[Scale 1 in. to 12 ft.]

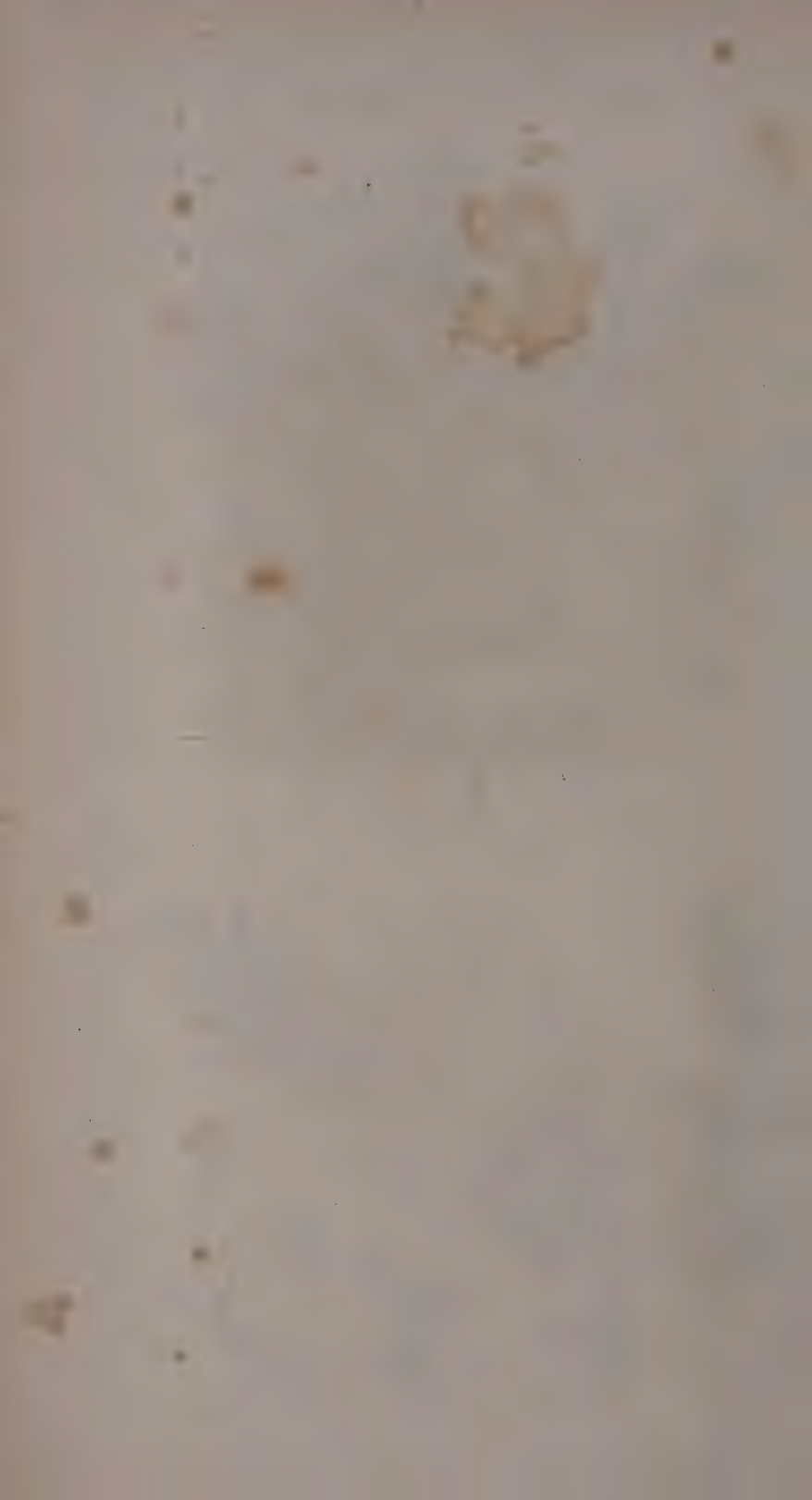


The grey-barked Walnut, or *Butter-nut*.



15 ft. high, 6 in. diam.

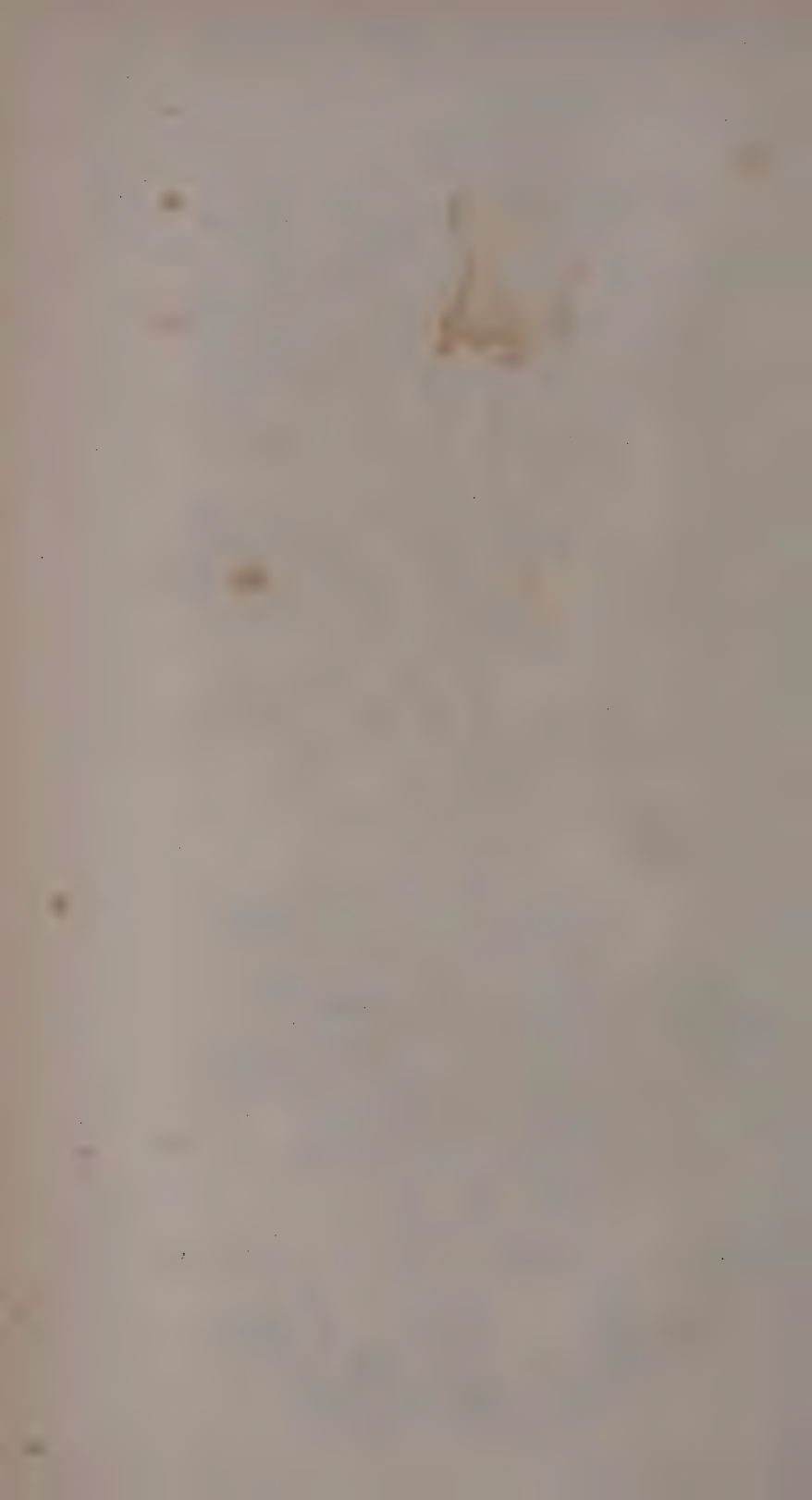






Full-grown tree at Purser's Cross, 80 ft. high ; diam. of the trunk  $2\frac{1}{2}$  ft., and of the head 45 ft.  
[Scale 1 in. to 12 ft.]





*Pterocarya caucásica.*  
The Caucasian Pterocarya.

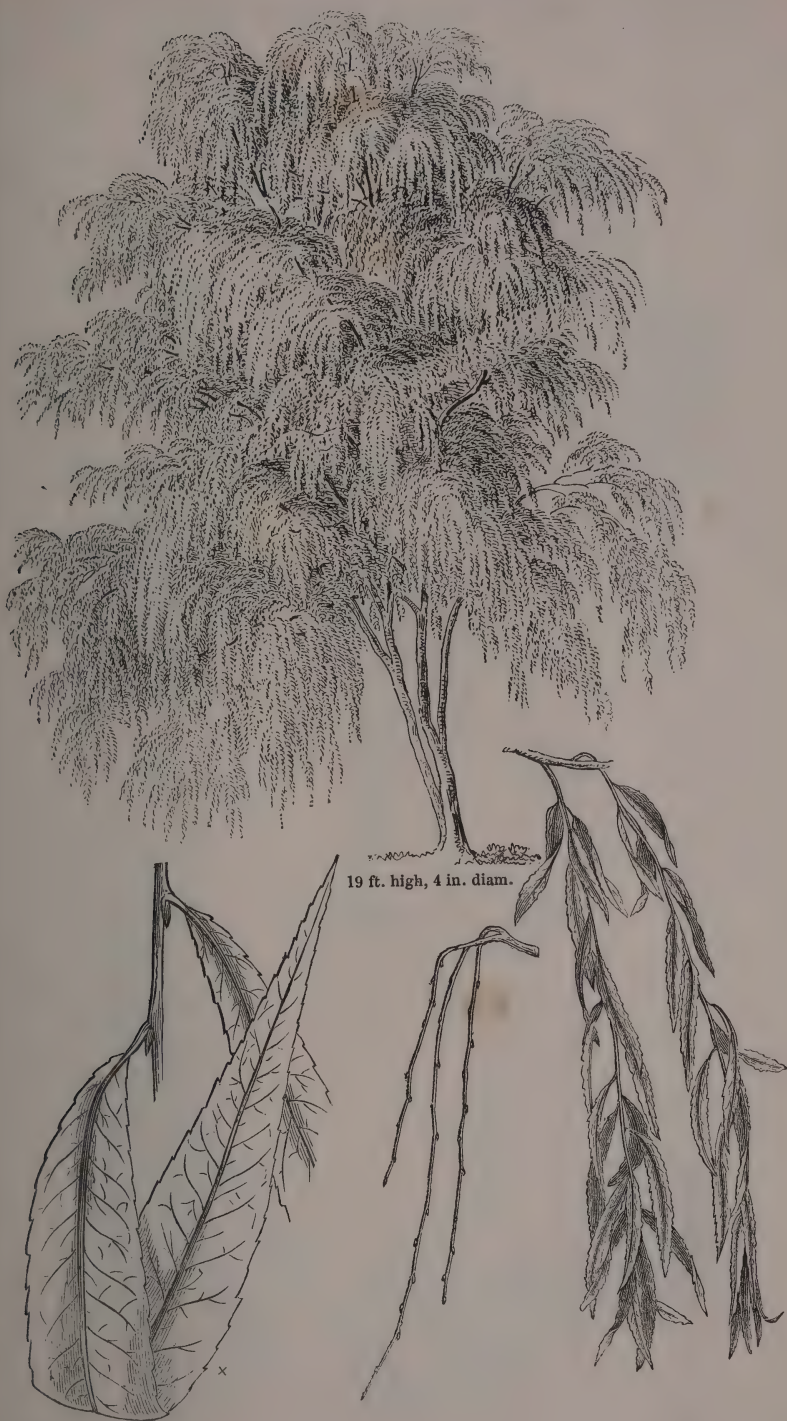


12 ft. high, the stems 2 in. diam.





The Babylonian, or *Weeping*, Willow.

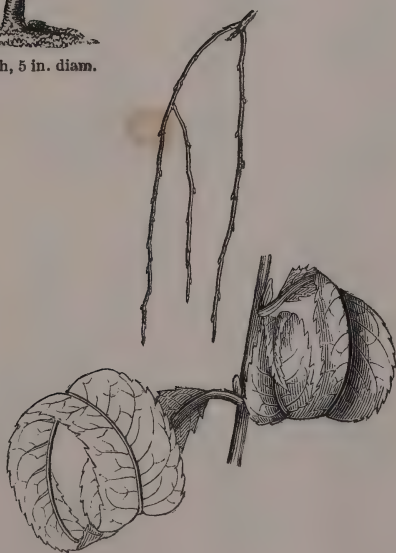




The curled-leaved Babylonian, or Weeping, Willow.

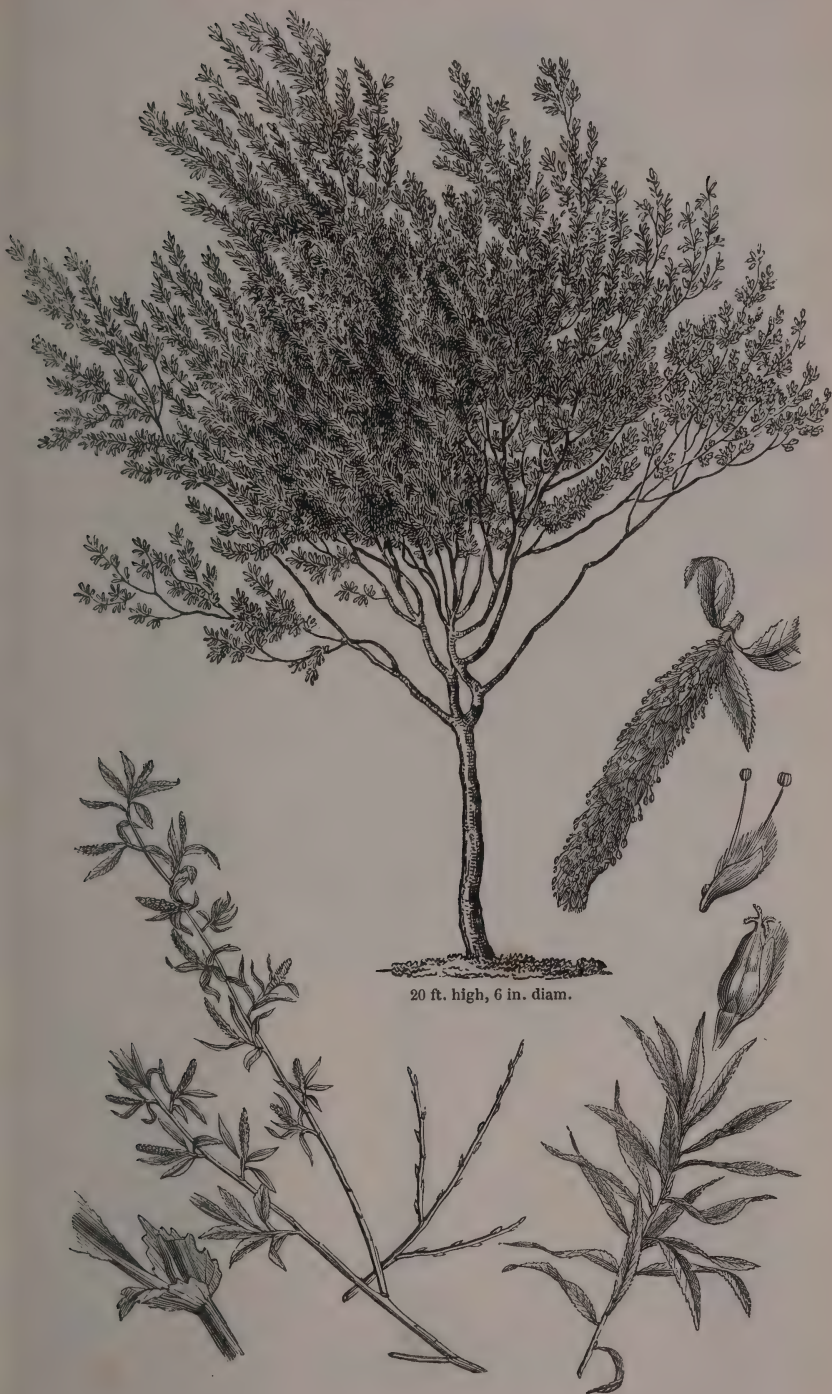


18 ft. high, 5 in. diam.





The fragile-twigged Willow.



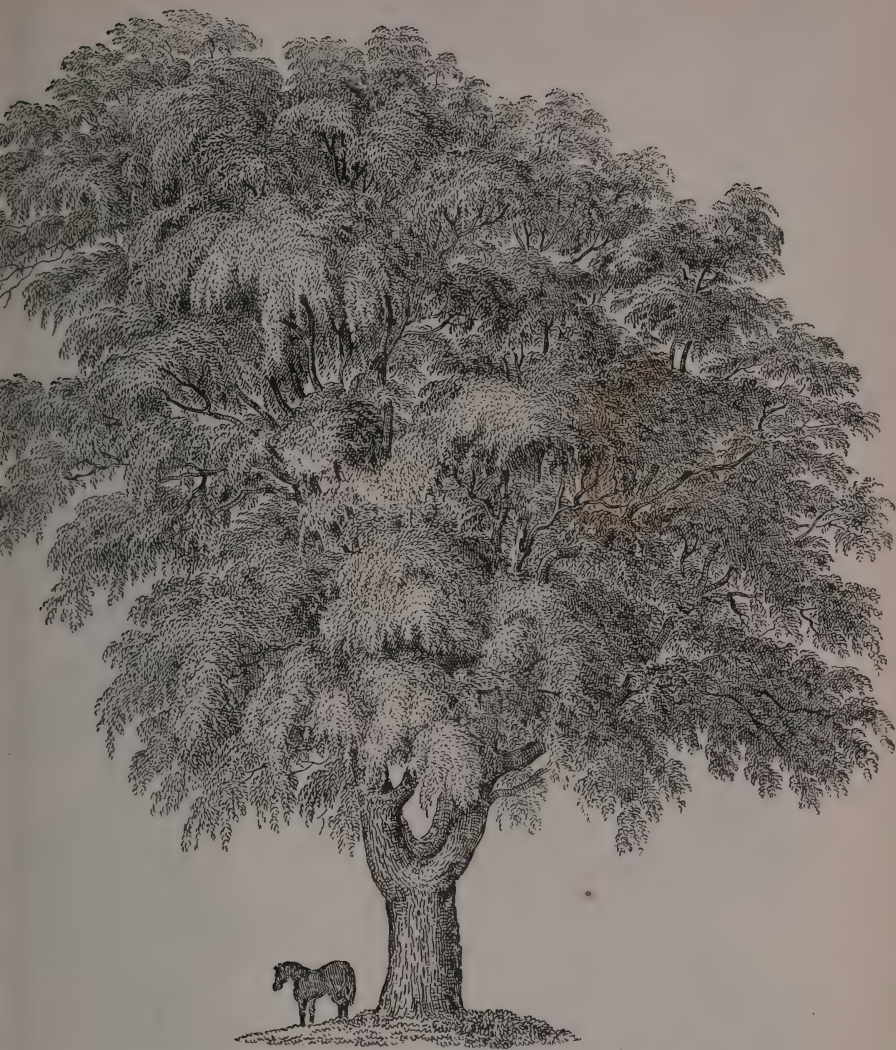


The white-leaved Willow.

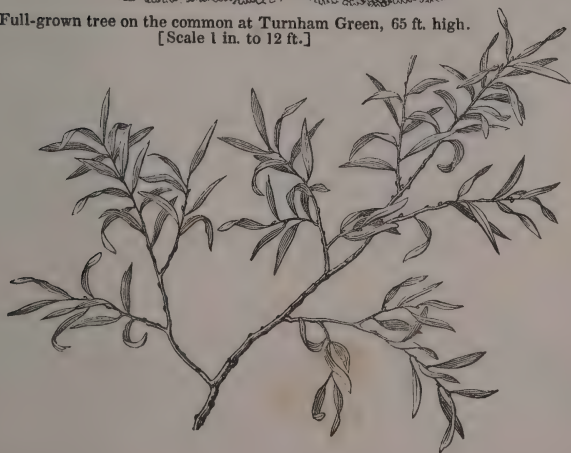


30 ft. high, 1 ft. diam.





Full-grown tree on the common at Turnham Green, 65 ft. high.  
[Scale 1 in. to 12 ft.]





The *yellow*, or *yolk-of-egg*, *barked* Willow.







33 ft. high, 10 in. diam.







The trembling-leaved Poplar, or *British Aspen*.



24 ft. high, 7½ in. diam.





*Pópulus trémula pëndula.*

The pendulous-*branched* trembling-*leaved* Poplar.



14 ft. high, 2 in. diam.



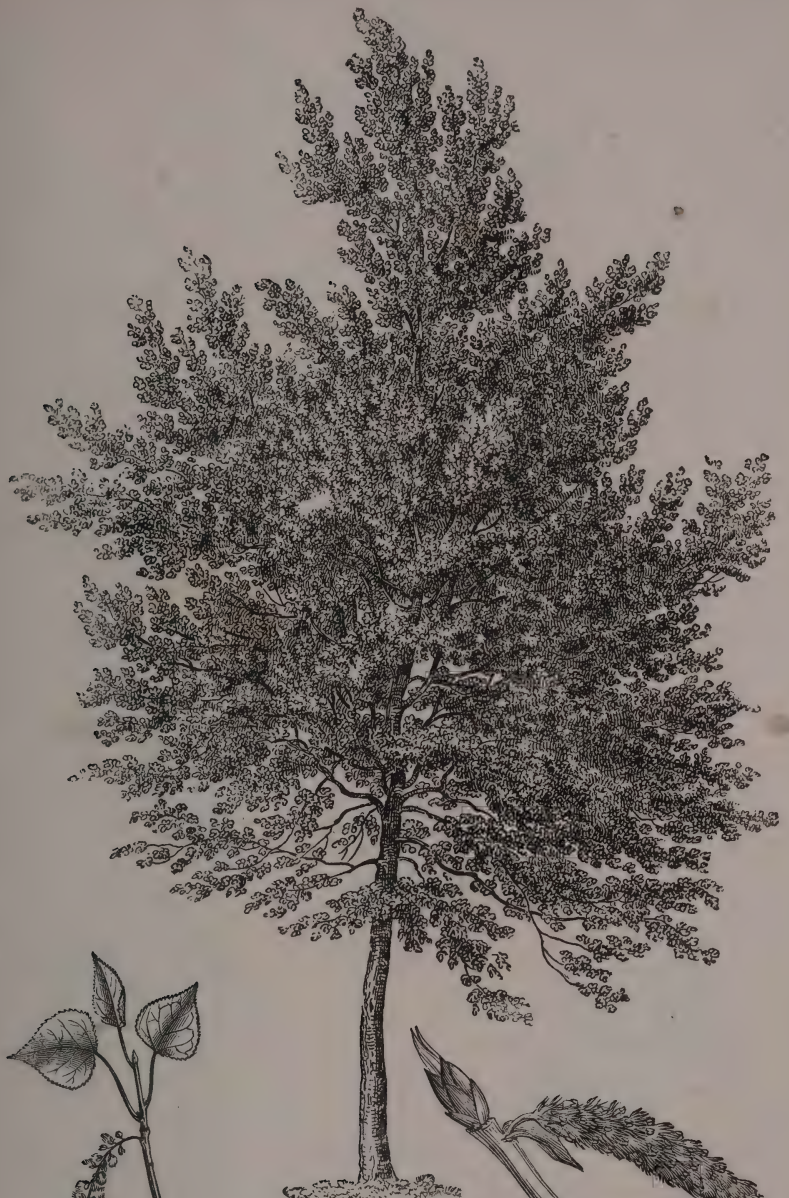


The Greek, or Athenian, Poplar.

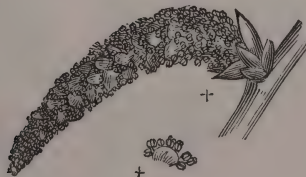
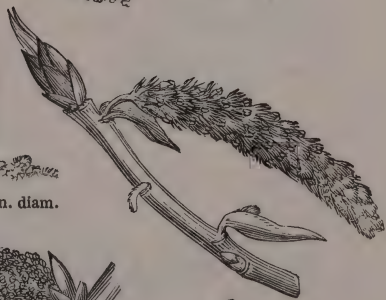


31 ft. high, 1 ft. diam.





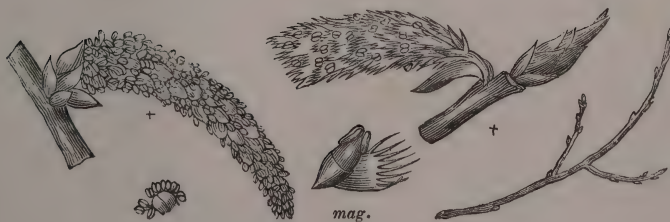
25 ft. high, 6 in. diam.







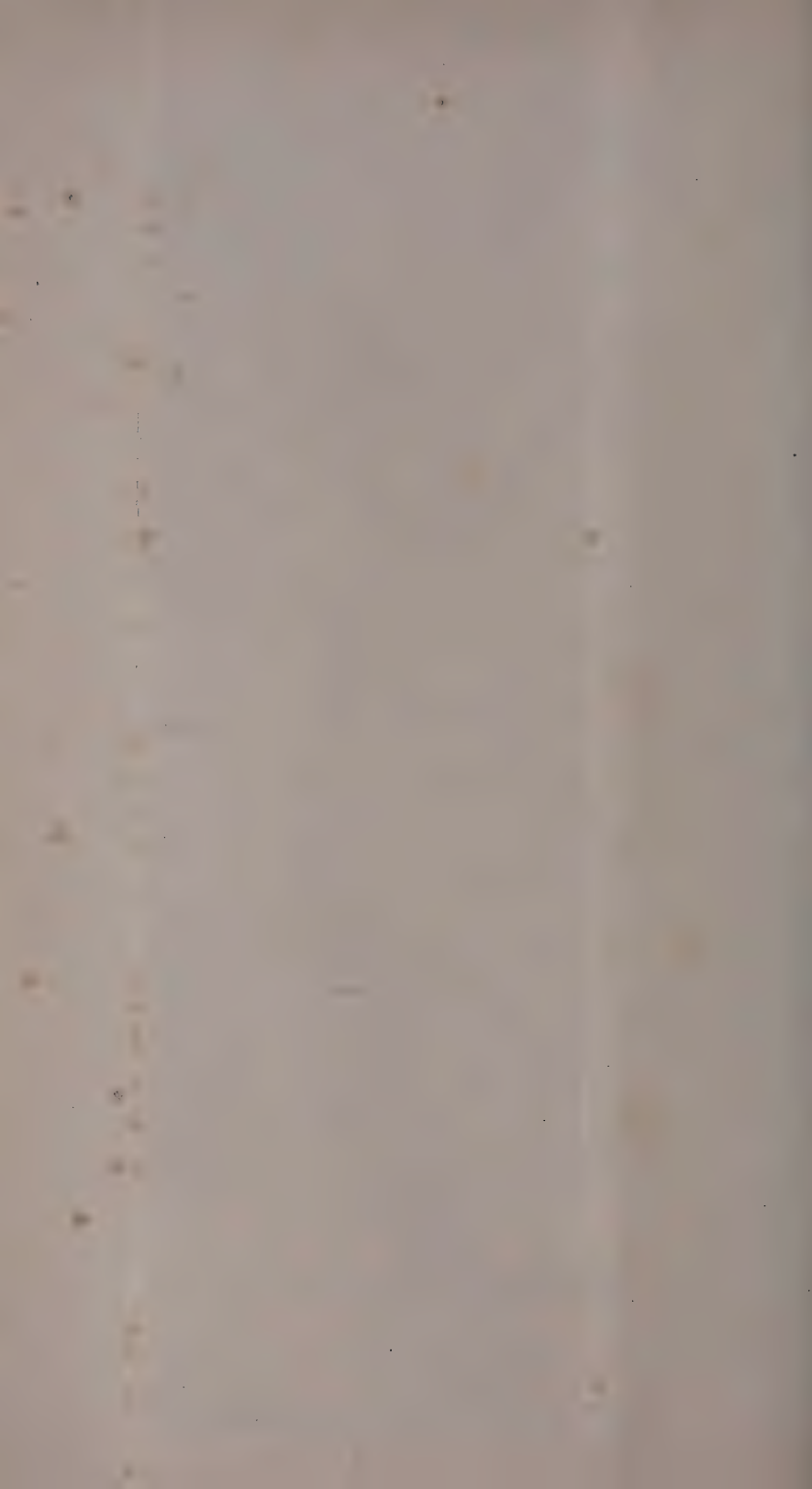
24 ft. high, 6 in. diam.







Full-grown tree at Fulham Palace, 84 ft. high ; diam. of the trunk 5 ft., and of the head 72 ft. [Scale 1 in. to 12 ft.]

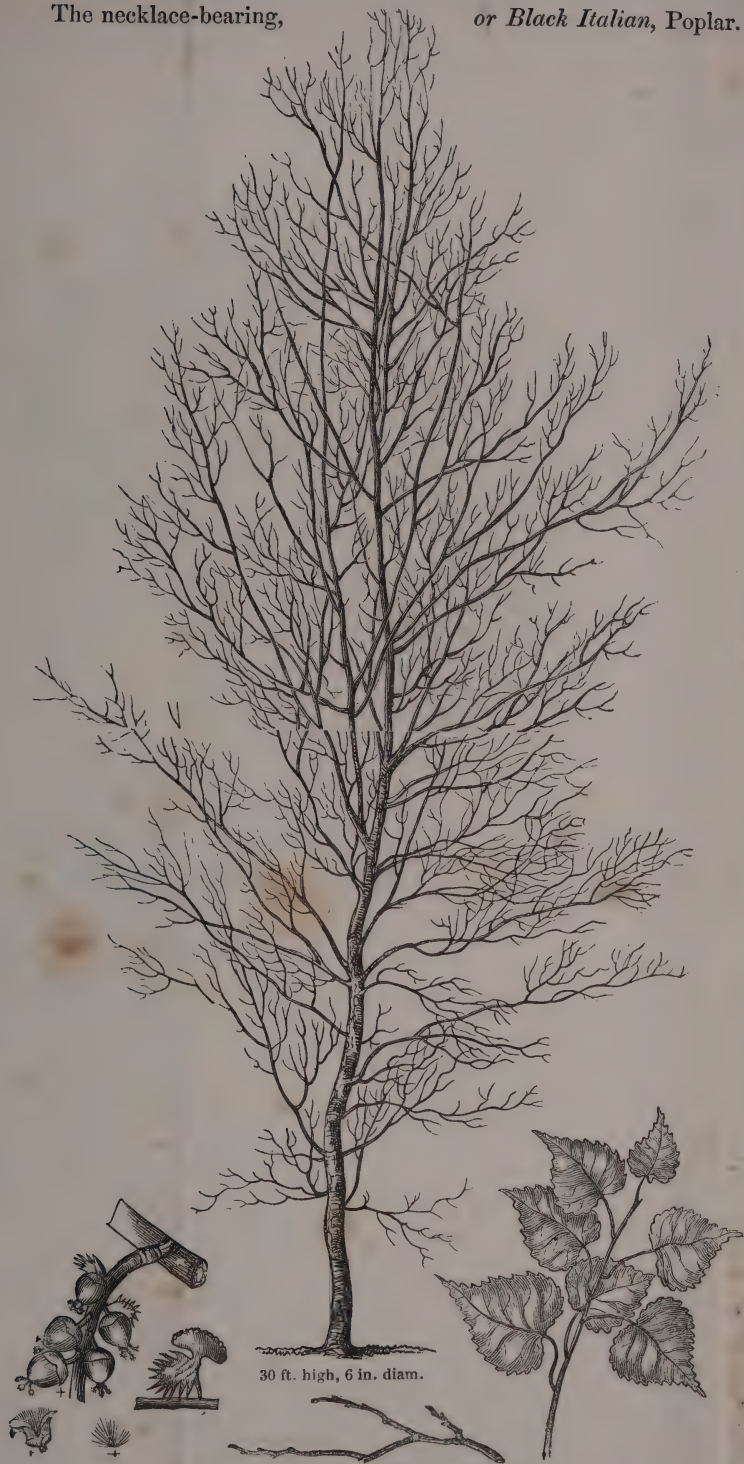






The necklace-bearing,

or *Black Italian*, Poplar.







Full-grown tree at Syon, 102 ft. high; diam. of the trunk  $4\frac{1}{2}$  ft., and of the head 96 ft.  
[Scale 1 in. to 12 ft.]

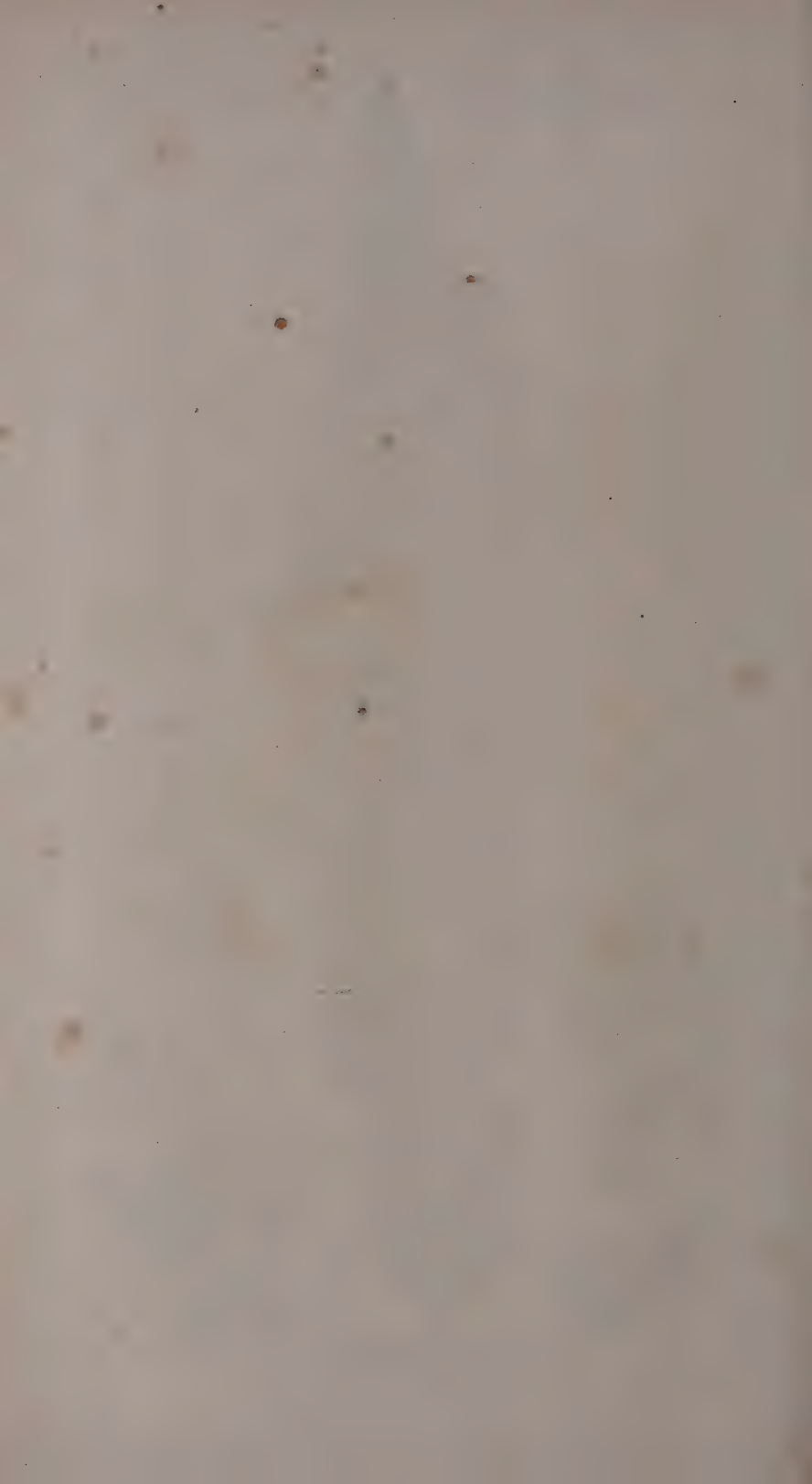


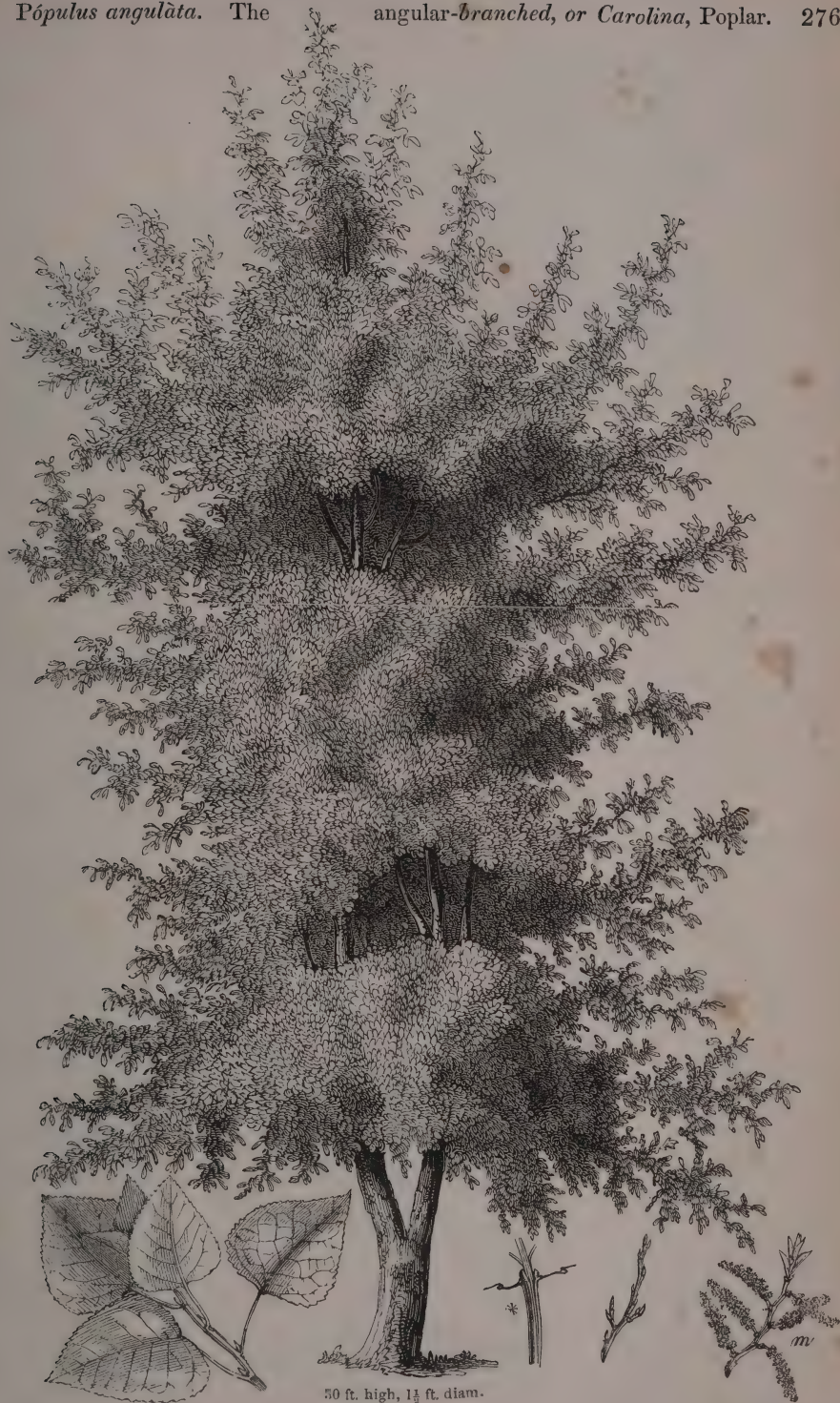
The fastigate-*branched*,

or *Lombardy*, Poplar.

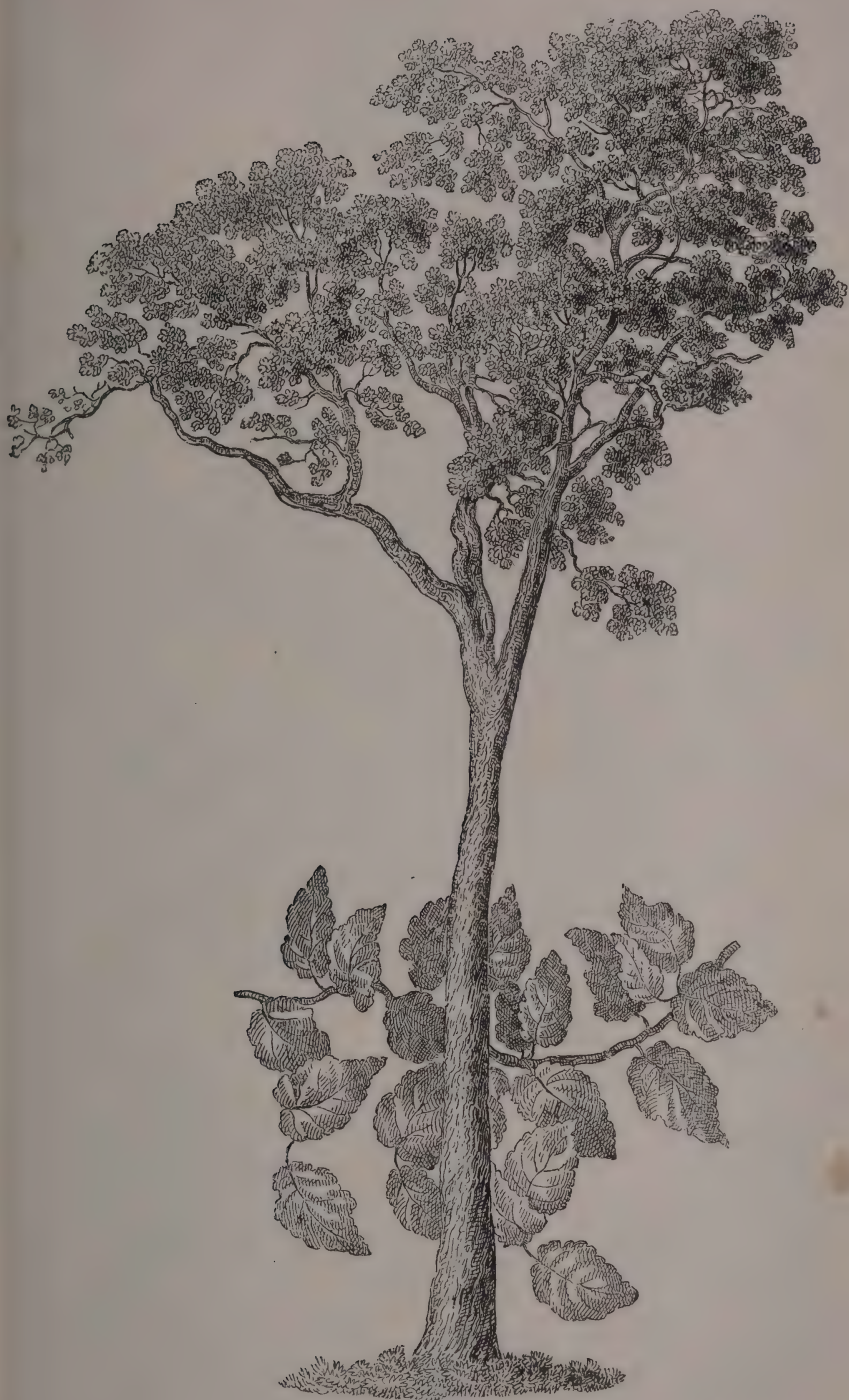


29 ft. high, 6 in. diam.

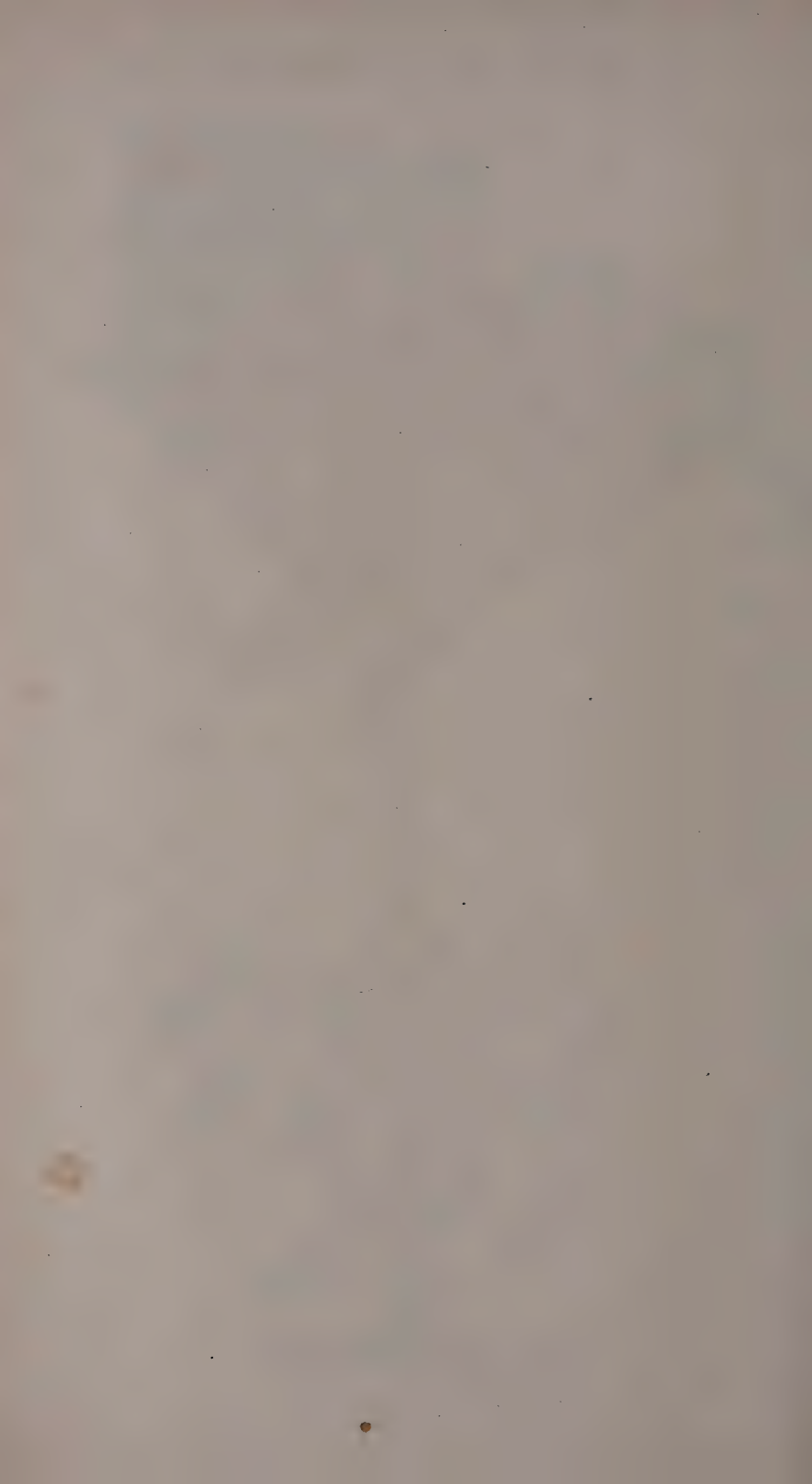






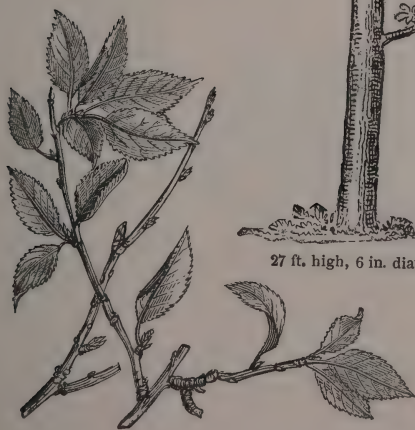


Full-grown tree at Syon, 83 ft. high.  
[Scale 1 in. to 12 ft.]



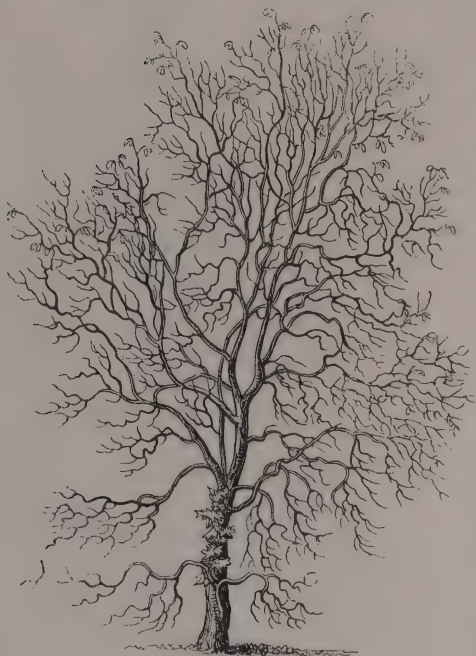


27 ft. high, 6 in. diam.





*Pópulus balsamífera.*  
The balsam-bearing Poplar.



Full-grown tree at Syon, 40 ft. high ; diam. of the trunk 3 ft., and of the head 30 ft.  
[Scale 1 in. to 12 ft.]





The whitish *heart-shaped-leaved*, or *Ontario*, Poplar.



27 ft. high, 7 in. diam.



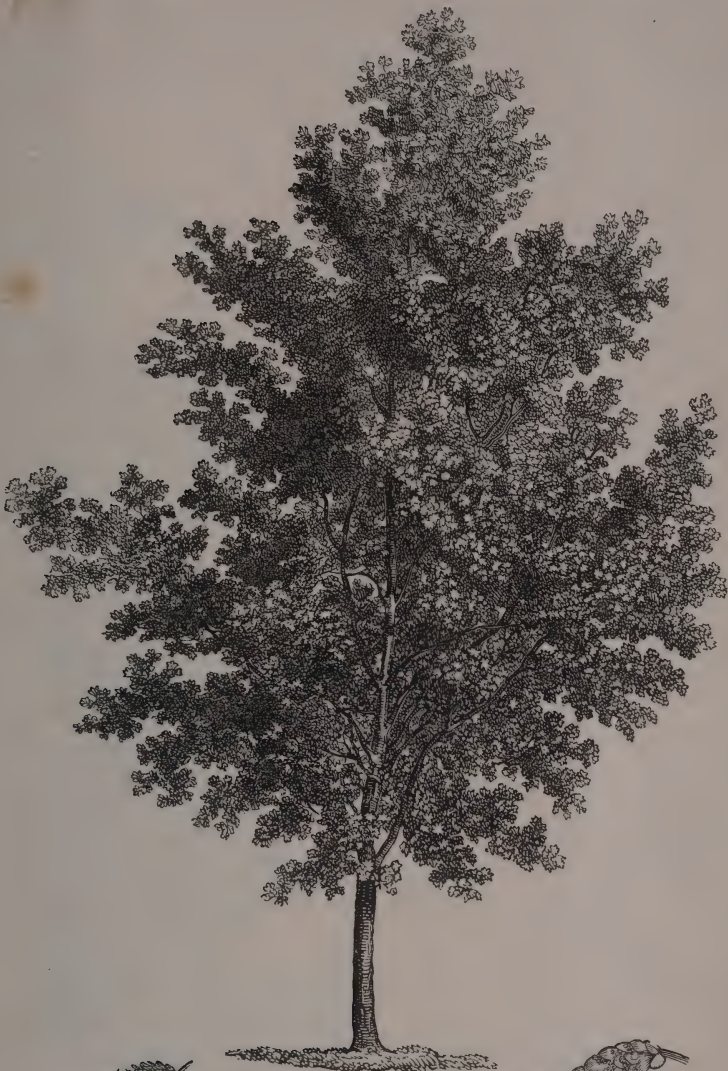
The common, or glutinous-leaved, Alder.



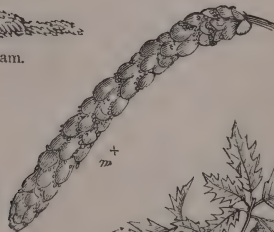
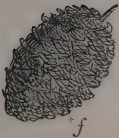
21 ft. high, 5 in. diam.

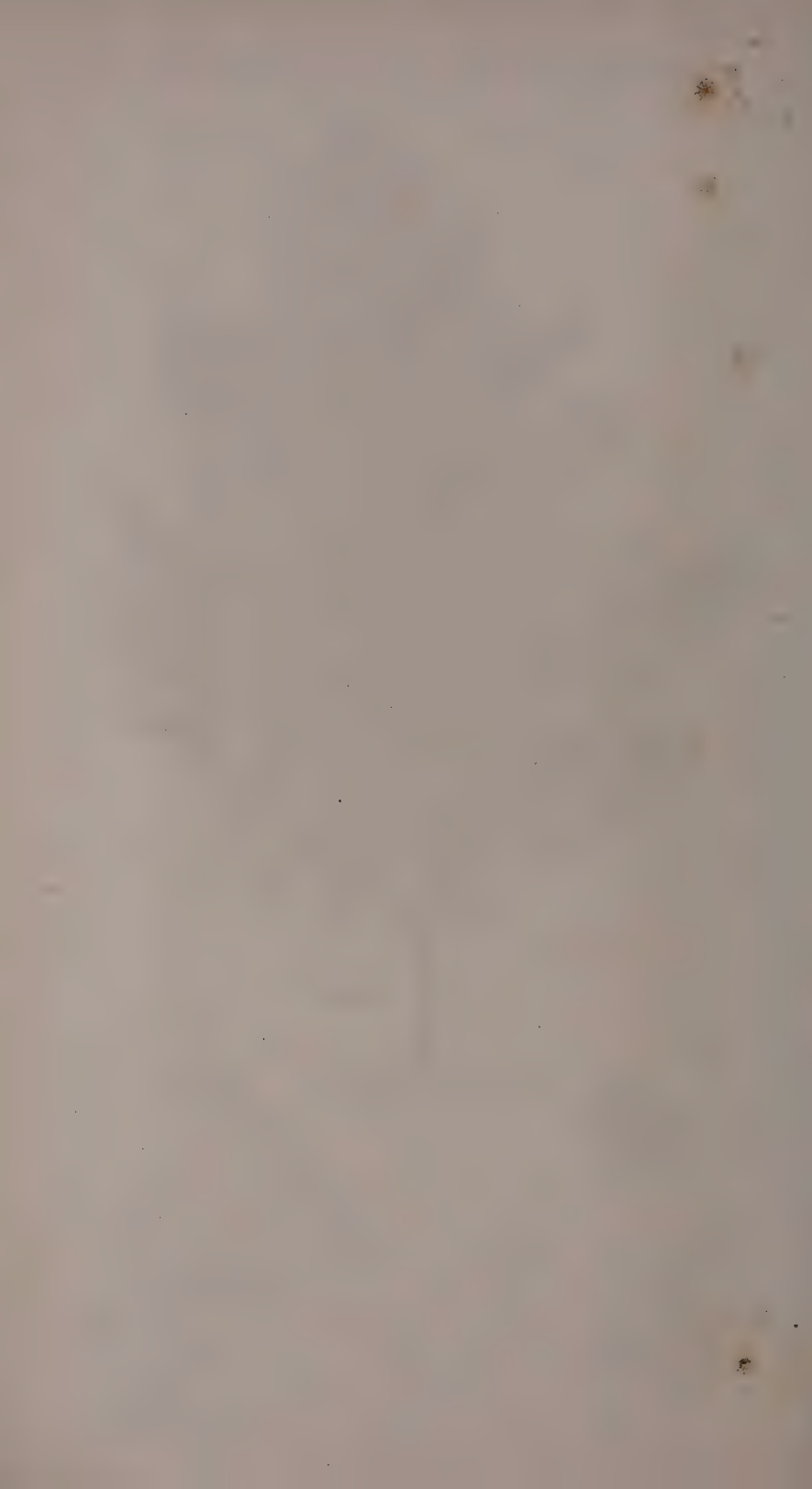






22 ft. high,  $4\frac{1}{2}$  in. diam.







Full-grown tree at Syon, 63 ft. high.  
[Scale 1 in. to 12 ft.]





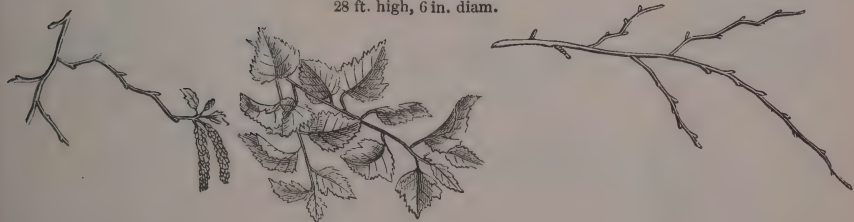
The heart-shaped-leaved Alder.







28 ft. high, 6 in. diam.













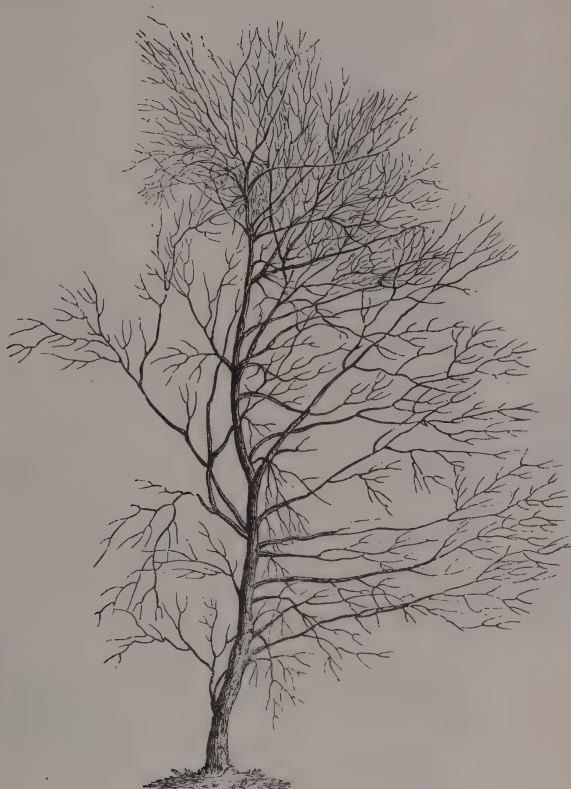


26 ft. high ; diam. of the stems, from 2 in. to 3 in.



*Bétula nìgra.*  
The black Birch.

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Full-grown tree at Fulham Nursery, 50 ft. high ; diam. of the trunk 2 ft., and of the head 36 ft.  
[Scale 1 in. to 12 ft.]

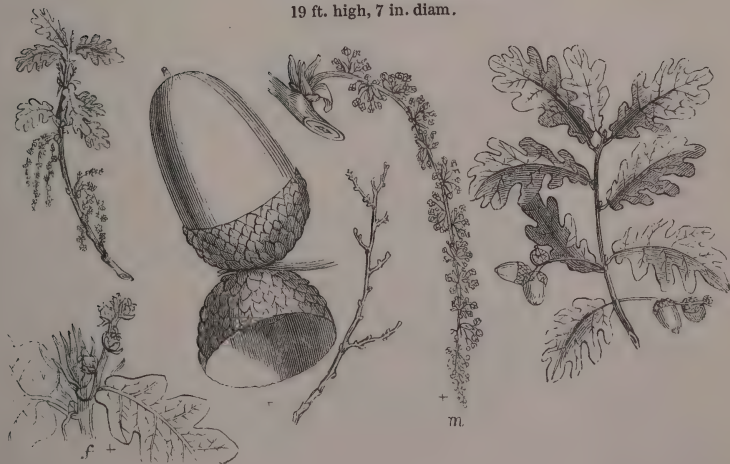




The stalked-fruited British Oak.



19 ft. high, 7 in. diam.







Full-grown tree in Kensington Gardens, 67 ft. high ; diam. of the trunk 6 ft., and of the head 47 ft.  
[Scale 1 in. to 12 ft.]





*Quercus pedunculata.*

The pedunculate-fruited British Oak.

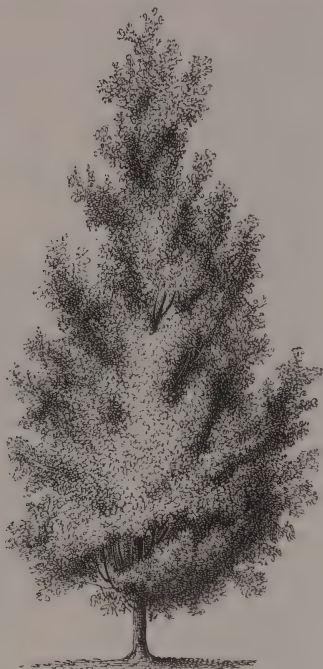


Full-grown tree at Studley, 80 ft. high; diam. of the trunk 8 ft. 2 in., and of the head 91 ft.  
[Scale 1 in. to 30 ft.]



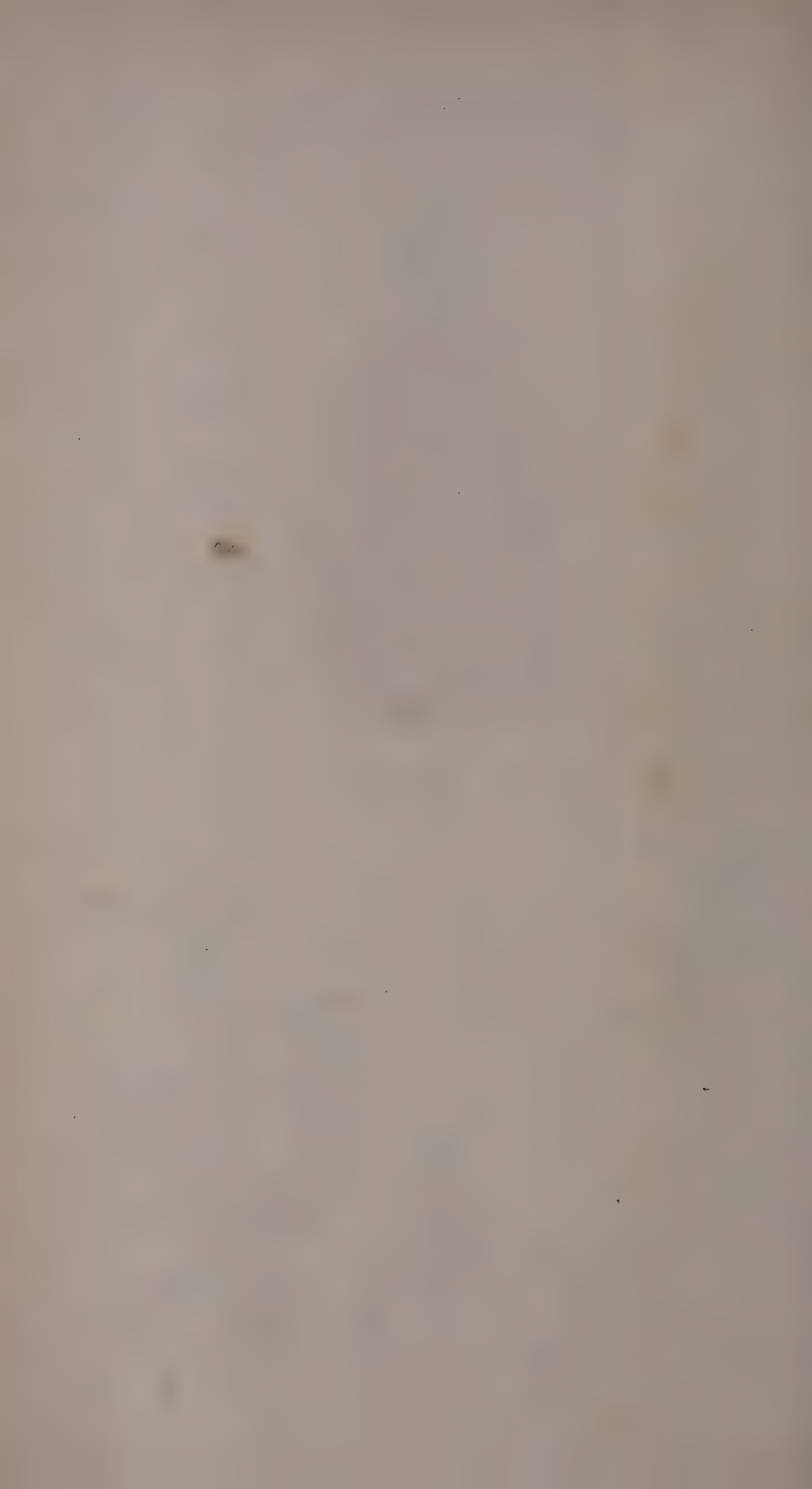


The upright-growing stalk-fruited Oak.



14 ft. high, 1½ in. diam.





The sessile-flowered *British* Oak.



18½ ft. high, 7½ in. diam.







Full-grown tree at Woburn, 72 ft. high, diam. of the trunk 8 ft., and of the head 90 ft.  
[Scale 1 in. to 12 ft.]





The sessile-flowered *British Oak*.



Full-grown tree at Studley Park, 118 ft. high ; diam. of trunk 11 ft. 6 in., of head 96 ft.  
[Scale 1 in. to 30 ft.]



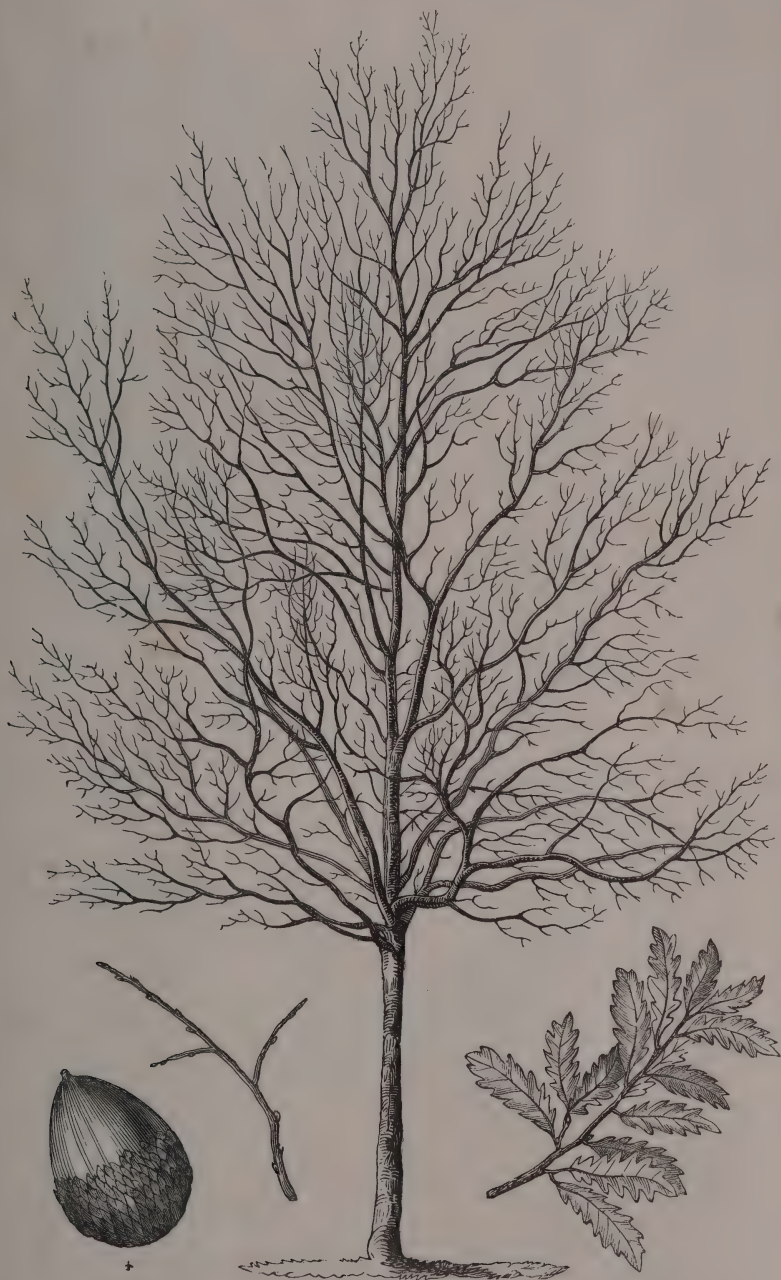






*Quercus Cérris.*

The bitter, or *Turkey*, Oak.



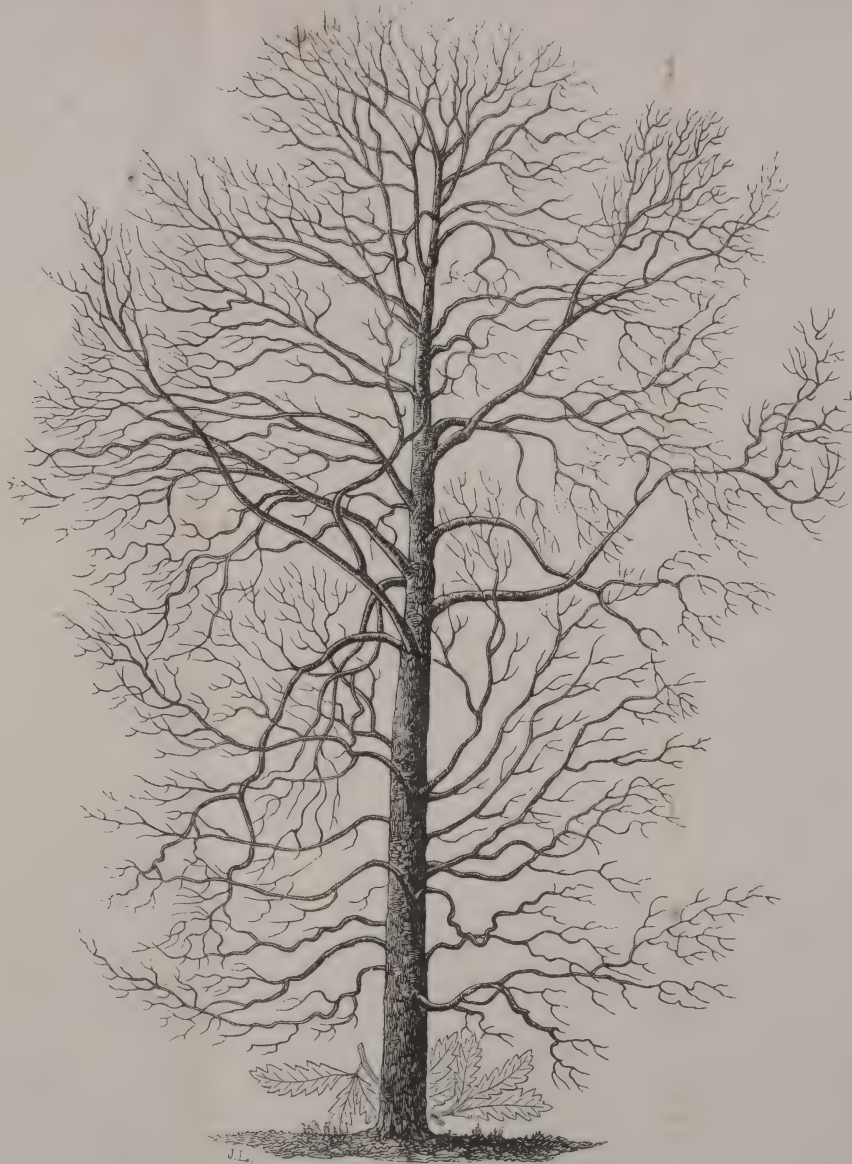
26 ft. high, 9 in. diam.





Full-grown tree at Syon, 70 ft. high; diam. of the trunk 2 ft. 8 in., and of the head 73 ft.  
[Scale 1 in. to 12 ft.]





Full-grown tree at Muswell Hill, 80 ft. high; diam. of the trunk  $4\frac{1}{2}$  ft., and of the head 65 ft.  
[Scale 1 in. to 12 ft.]







The tooth-leaved Turkey Oak, or the Fulham Oak.



16½ ft. high, 4 in. diam.





The Fulham Turkey Oak.



The original tree in the Fulham Nursery, 75 ft. high; diam. of the trunk 3 ft. 10 in., and of the head 54 ft.  
[Scale 1 in. to 12 ft.]

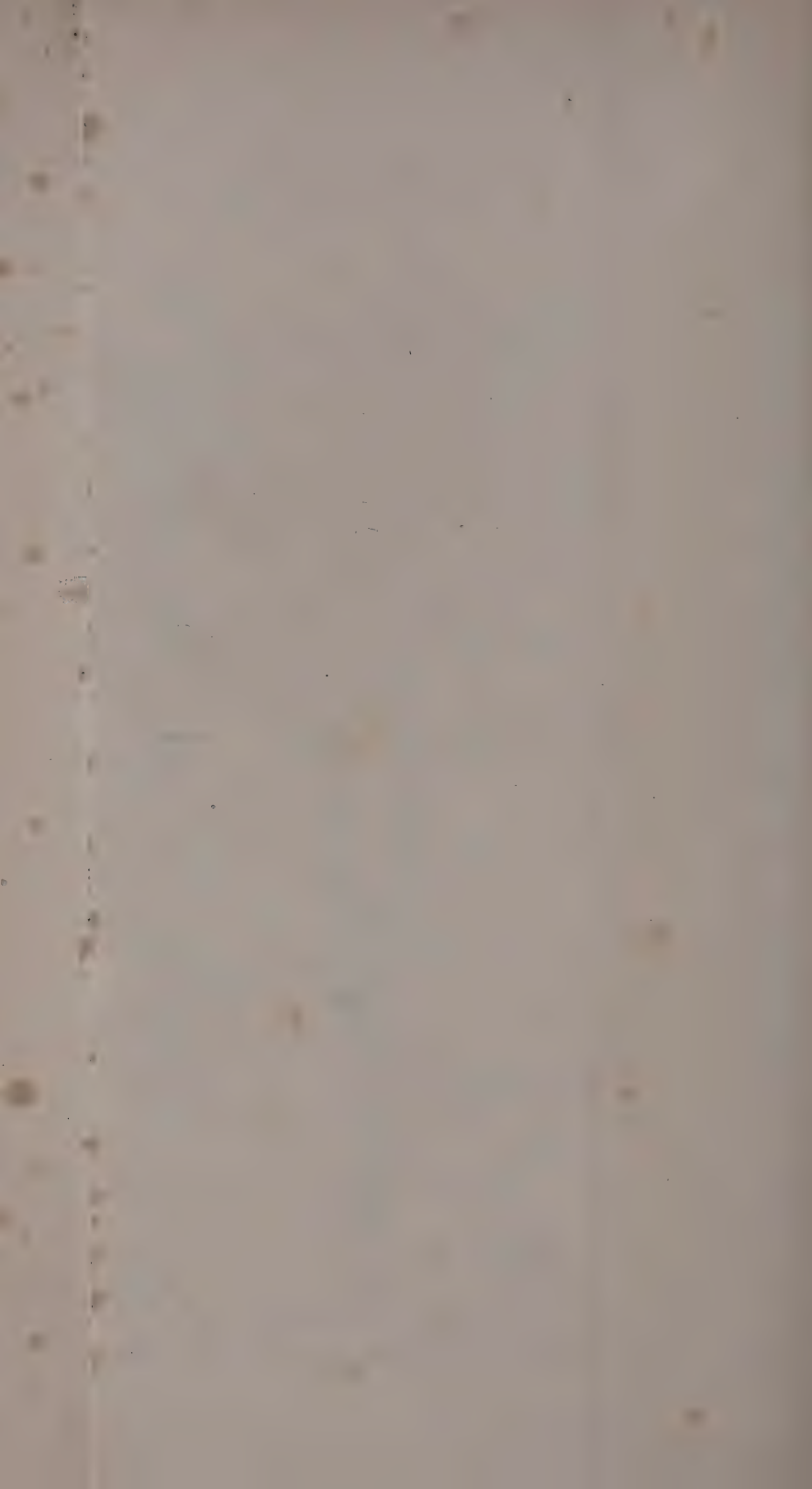


*Quercus Cérus fulhamensis.*

The Fulham Turkey Oak.



The original tree in the Fulham Nursery, 75 ft. high; diam. of the trunk 3 ft. 10 in., and of the head 54 ft.  
[Scale 1 in. to 12 ft.]



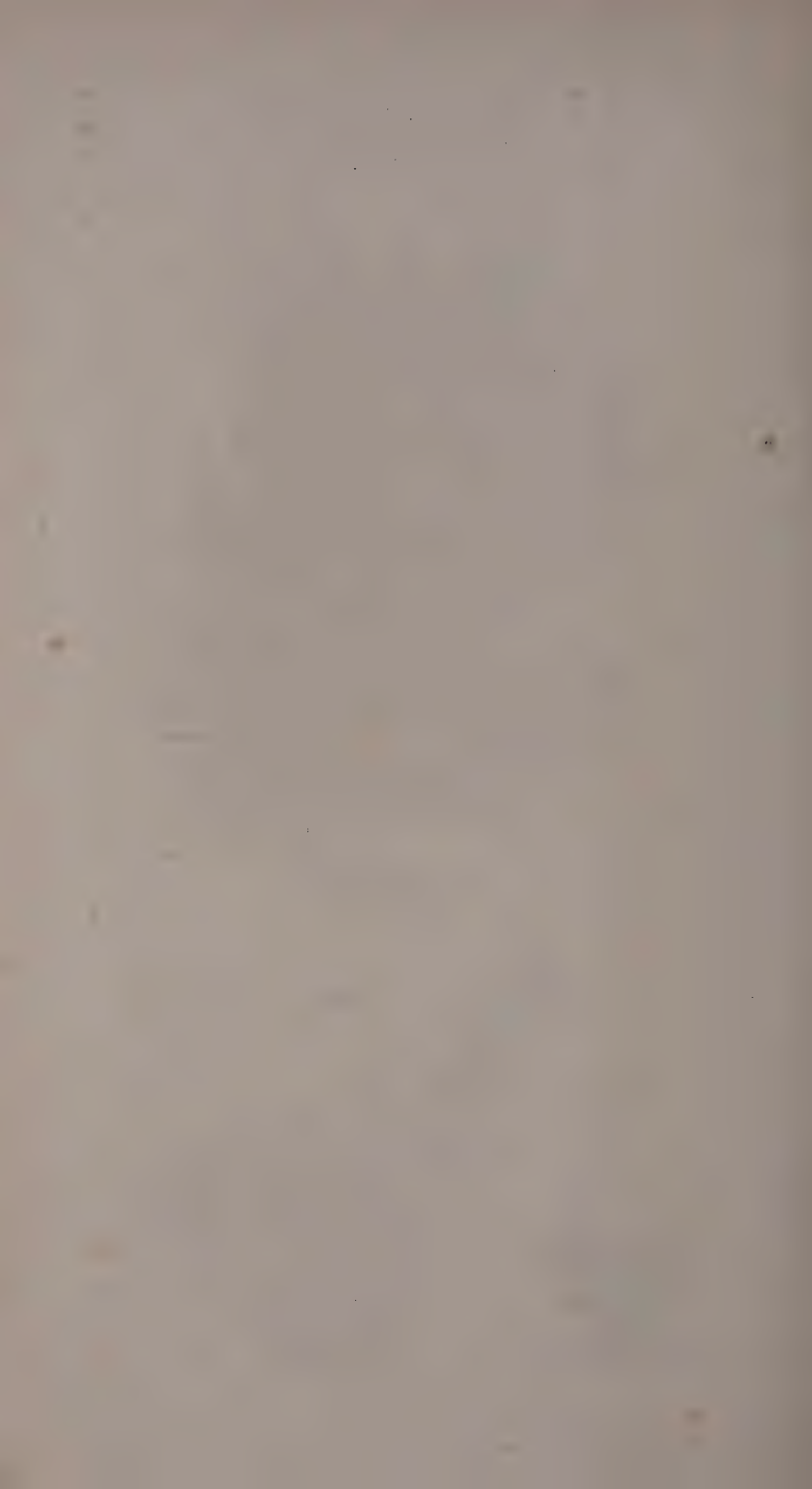
*Quercus Cérris Lucombeàna.*

The Lucombe Turkey Oak.



16 ft. high, 6 in. diam.





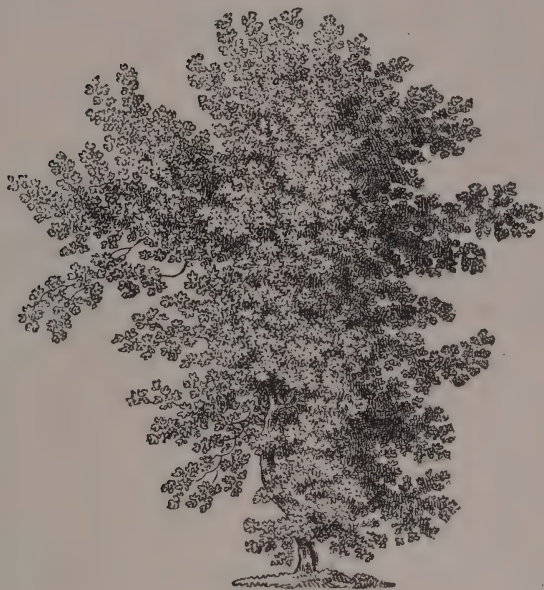


Full-grown tree in the Fulham Nursery, 63 ft. high; diam. of the trunk  $4\frac{1}{2}$  ft., and of the head 53 ft.  
[Scale 1 in. to 12 ft.]

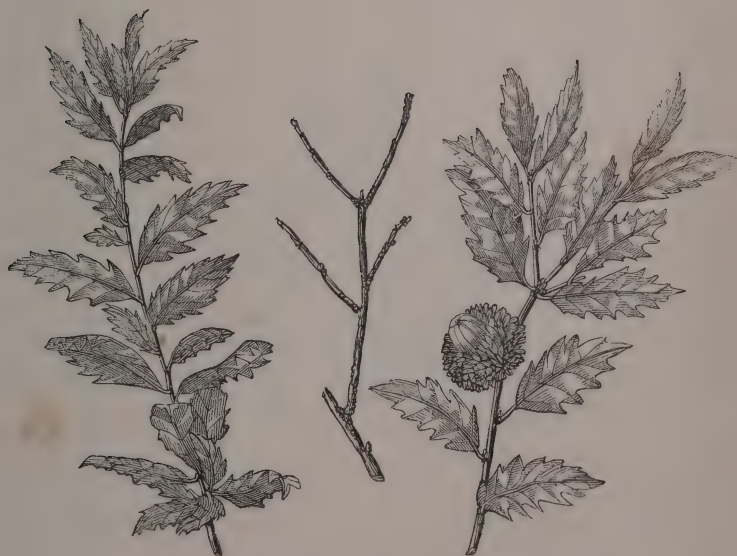




*Quercus Ægilops.*  
The Ægilops, or Valonia, Oak.



12 ft. high, 3 in. diam.





*Quercus Ægilops.*  
The Ægilops, or Valonia, Oak.



Full-grown tree at Syon, 24 ft. high; diam. of the trunk 18 in., and of the head 30 ft.  
[Scale 1 in. to 12 ft.]





*Quercus álba.*  
The *American white Oak.*



